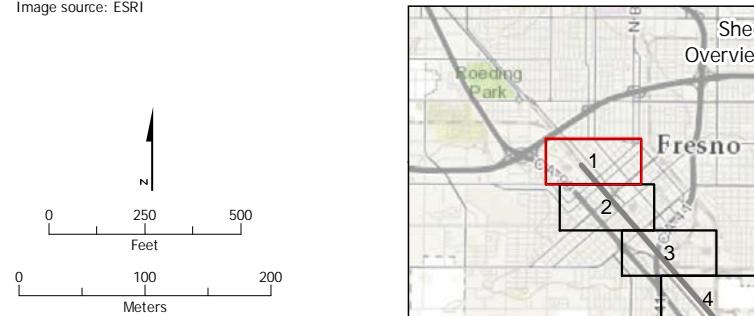




Data source: URS/HMM/Arup JV, 2014

Image source: ES

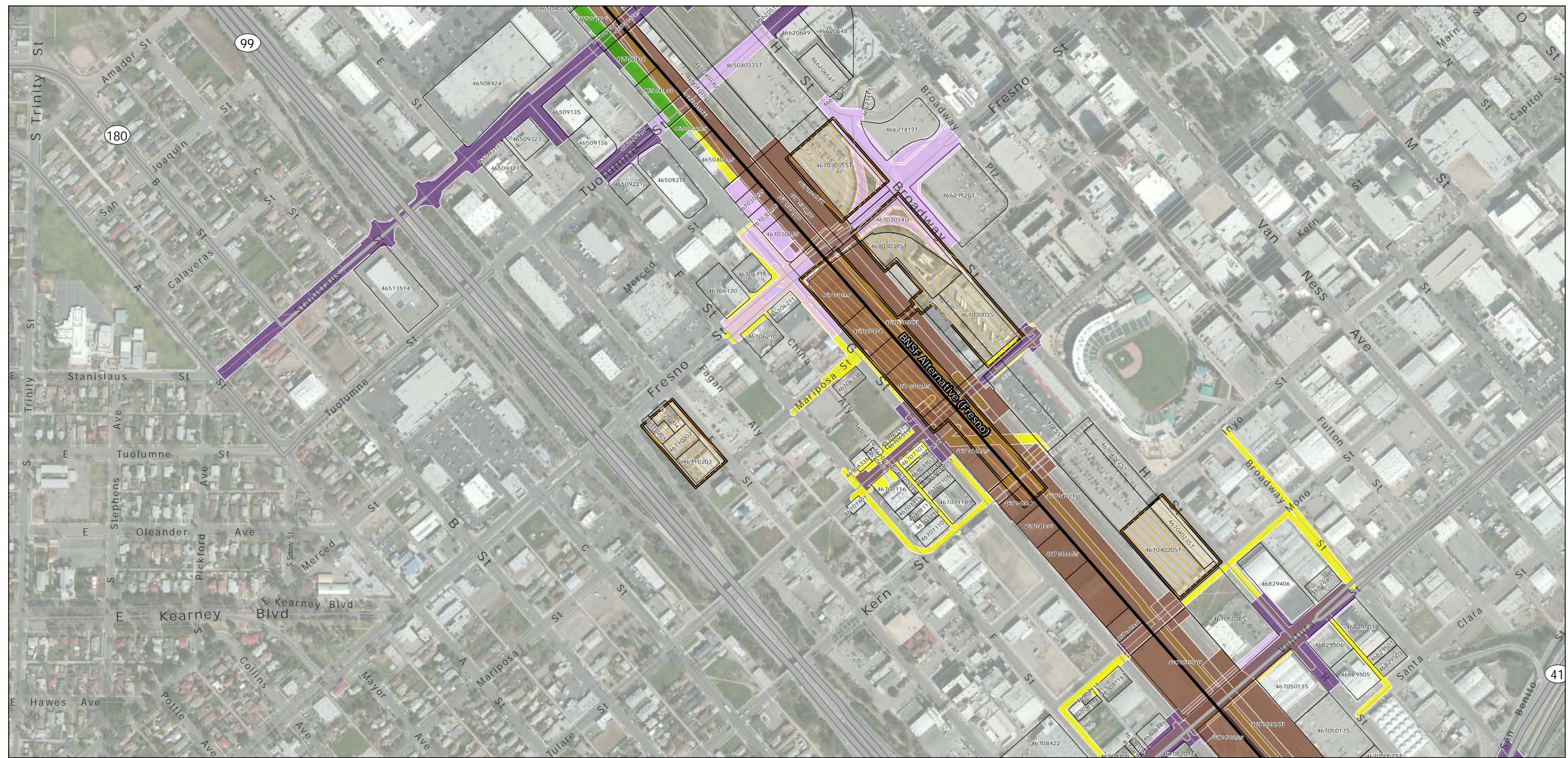
March 19, 2014



- | | <u>Project footprint by category type</u> |
|----|--|
| — | Alternative alignments |
| □ | Parcel (APN displayed) |
| ▨ | Heavy maintenance facility |
| ▨▨ | Station |
| | Construction area |
| ■ | Temporary |
| | Roadway |
| ■ | Permanent
(underpass/overpass, access road) |
| ■ | Temporary
(remove base and surfacing,
construction easement) |

- | | |
|---|---|
| Utilities | |
|  | Temporary
(Relocation of natural gas, petroleum transmission, or water line) |
| Systems | |
|  | Permanent
(interlocking site, radio site, traction power facility) |
|  | Temporary
(construction easement) |

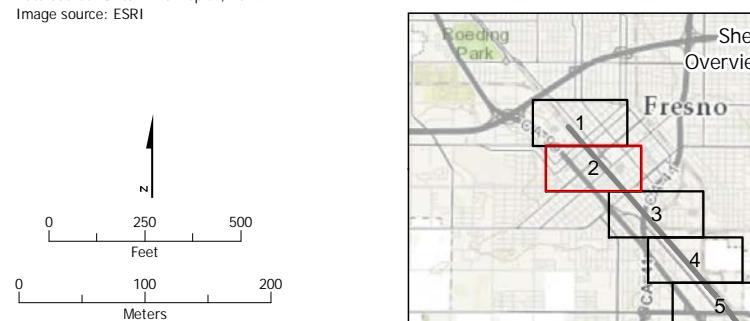
- | Hydrology | |
|---|---|
|  | Permanent
(canal relocation, drainage basin) |
|  | Temporary
(construction easement) |
| Track | |
|  | Permanent
(access road, freight rail relocation,
HST tracks, maintenance of infrastructure) |
|  | Temporary
(construction easement) |



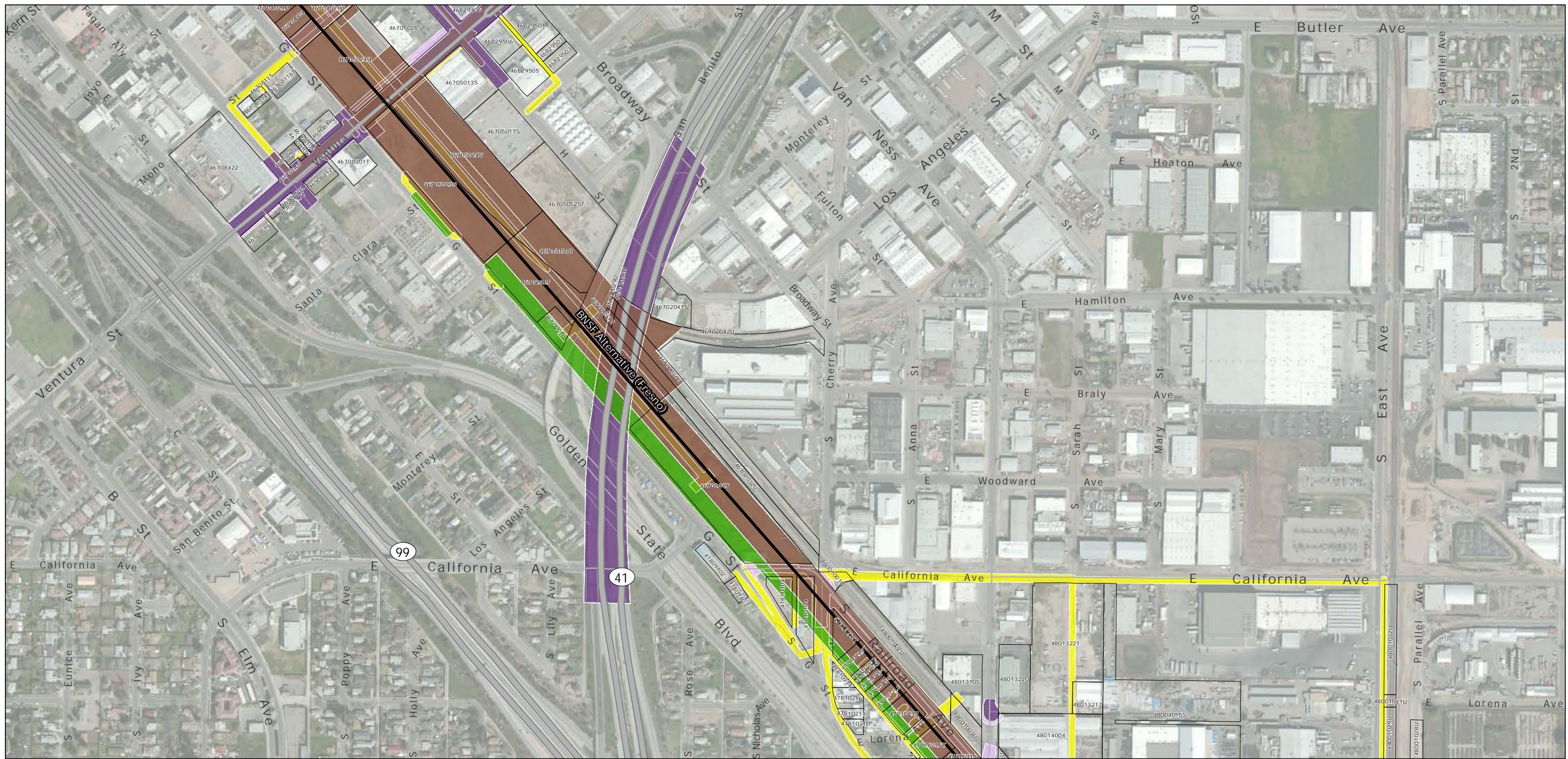
Data source: URS/HMM/Arup JV, 2014

Image source: ES

March 19, 2014



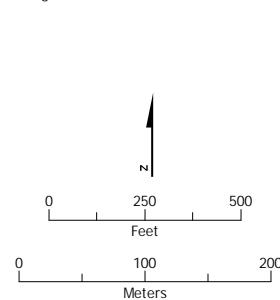
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|--|---|--|--|
|  Alternative alignments | <u>Project footprint by category type</u> | | |
|  Parcel (APN displayed) | Construction area |  Utilities |  Hydrology |
|  Heavy maintenance facility |  Temporary |  Temporary
(Relocation of natural gas, petroleum, transmission, or water line) |  Permanent
(canal relocation, drainage basin) |
|  Station | Roadway |  Systems |  Temporary
(construction easement) |
| |  Permanent
(underpass/overpass, access road) |  Permanent
(interlocking site, radio site, traction power facility) |  Track |
| |  Temporary
(remove base and surfacing, construction easement) |  Temporary
(construction easement) |  Permanent
(access road, freight rail relocation, HST tracks, maintenance of infrastructure) |



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)

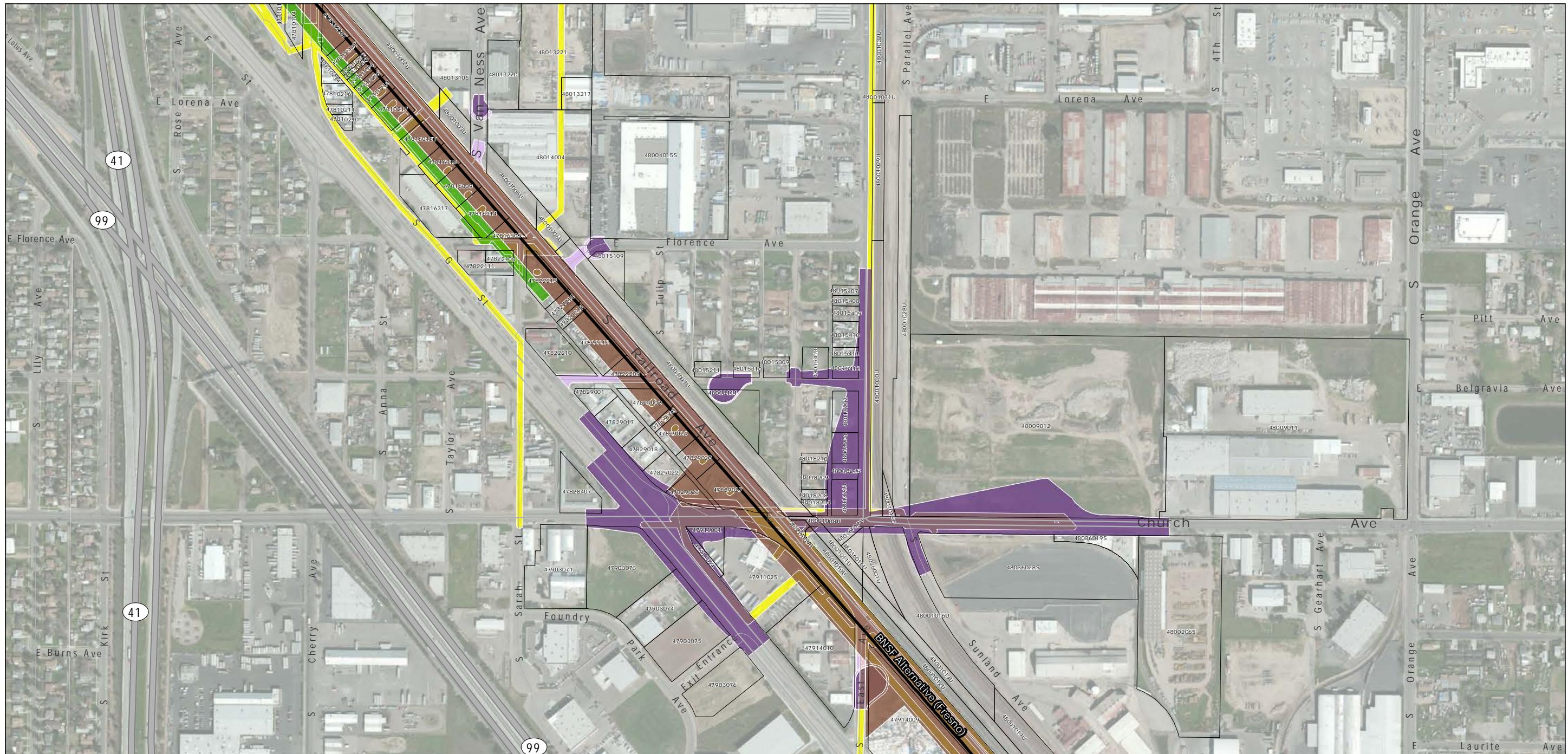
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)

Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)

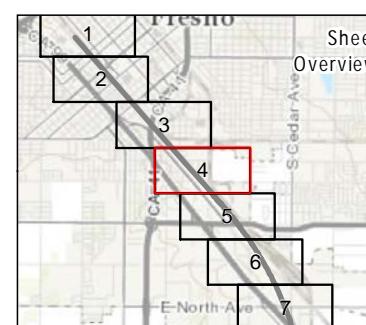
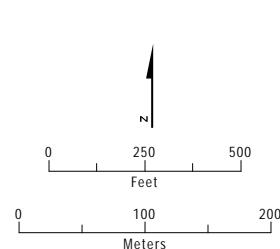
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

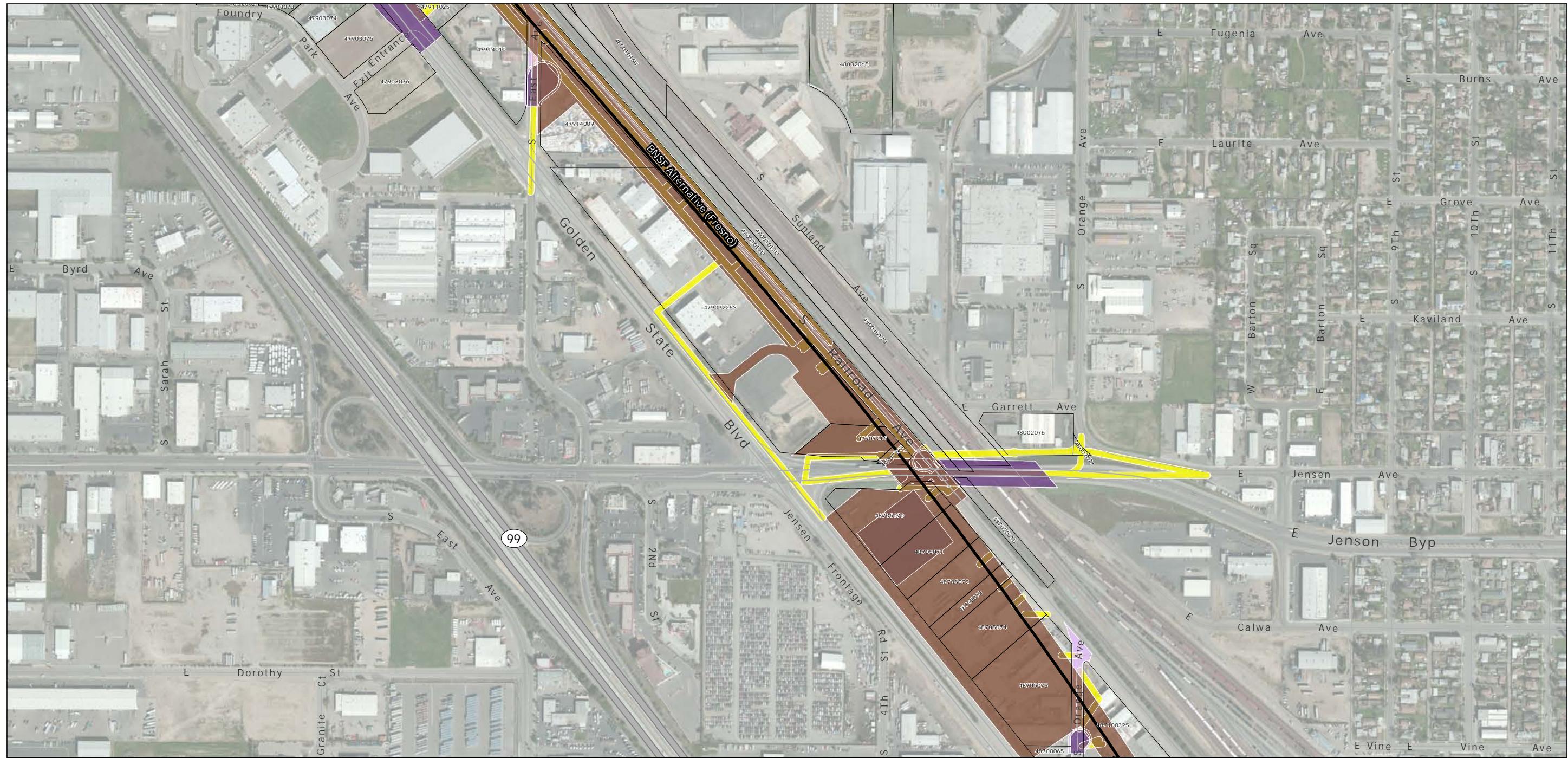


Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Roadway
Temporary
Permanent
Temporary
(remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

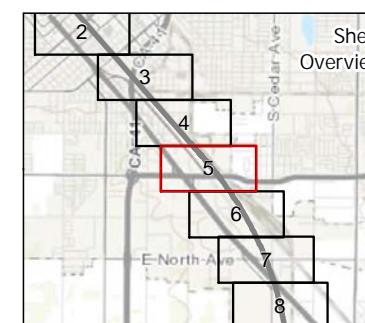
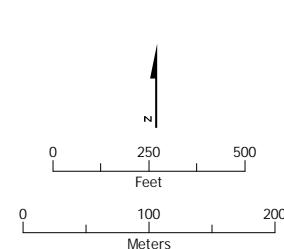
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

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— Alternative alignments
■ Parcel (APN displayed)
■ Heavy maintenance facility
■ Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)

Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)

Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)

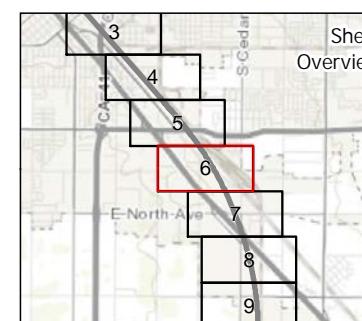
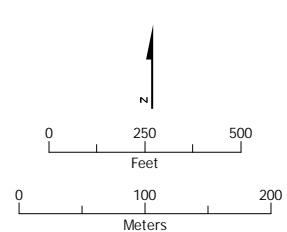
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

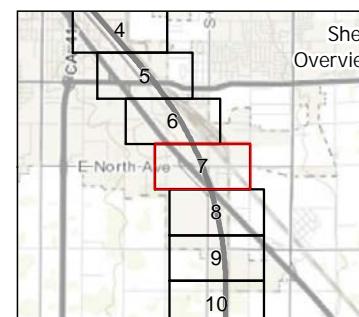
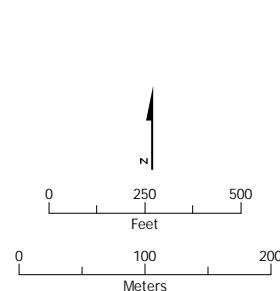
Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014

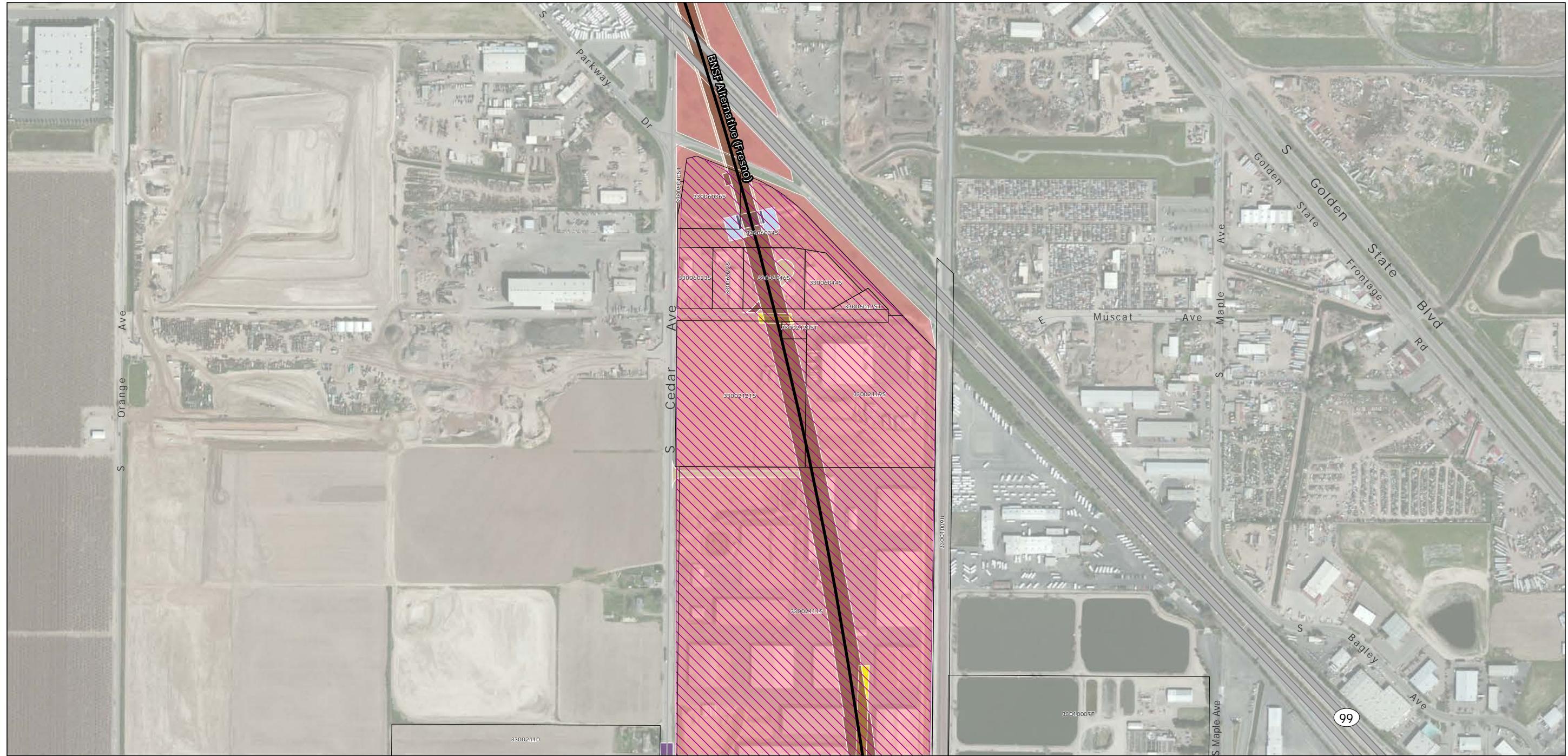


Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

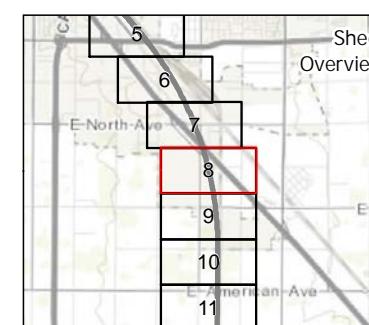
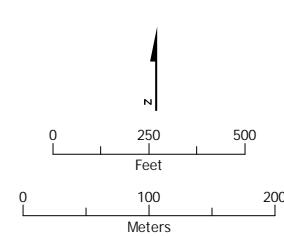
Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Sheet Overview



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type

- Construction area
- Roadway
- Temporary
- Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)

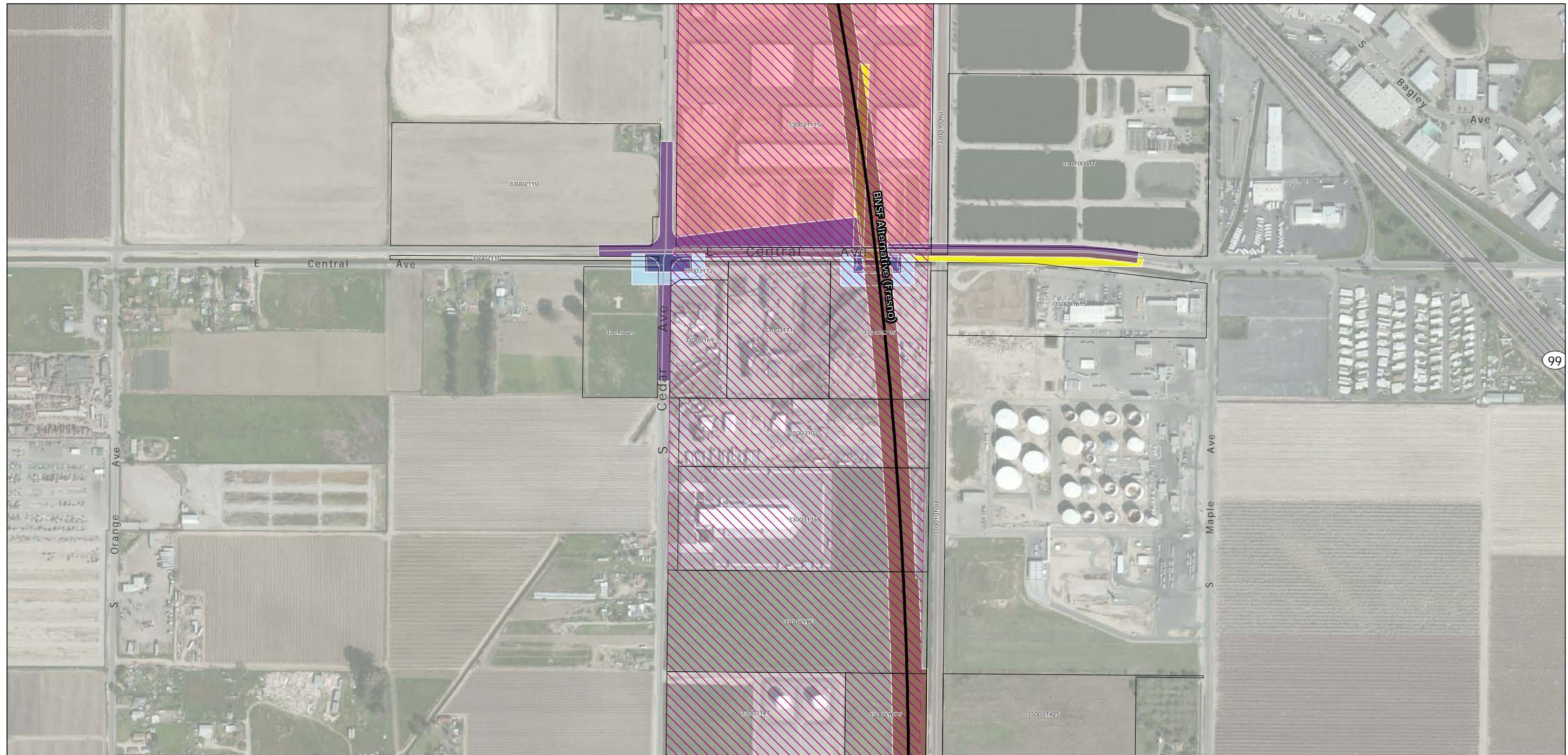
Systems
Permanent (interlocking site, radio site, traction power facility)

Hydrology
Permanent (canal relocation, drainage basin)

Temporary (construction easement)

Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)

Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

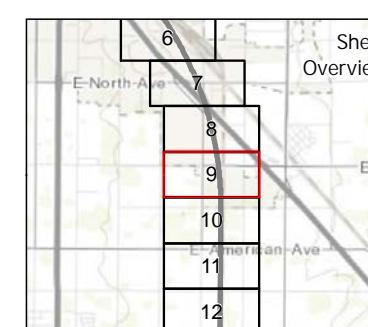
Sheet Overview

6
7
8
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10
11
12

E. North Ave
E. Central Ave
E. American Ave

0 250 500
Feet

0 100 200
Meters

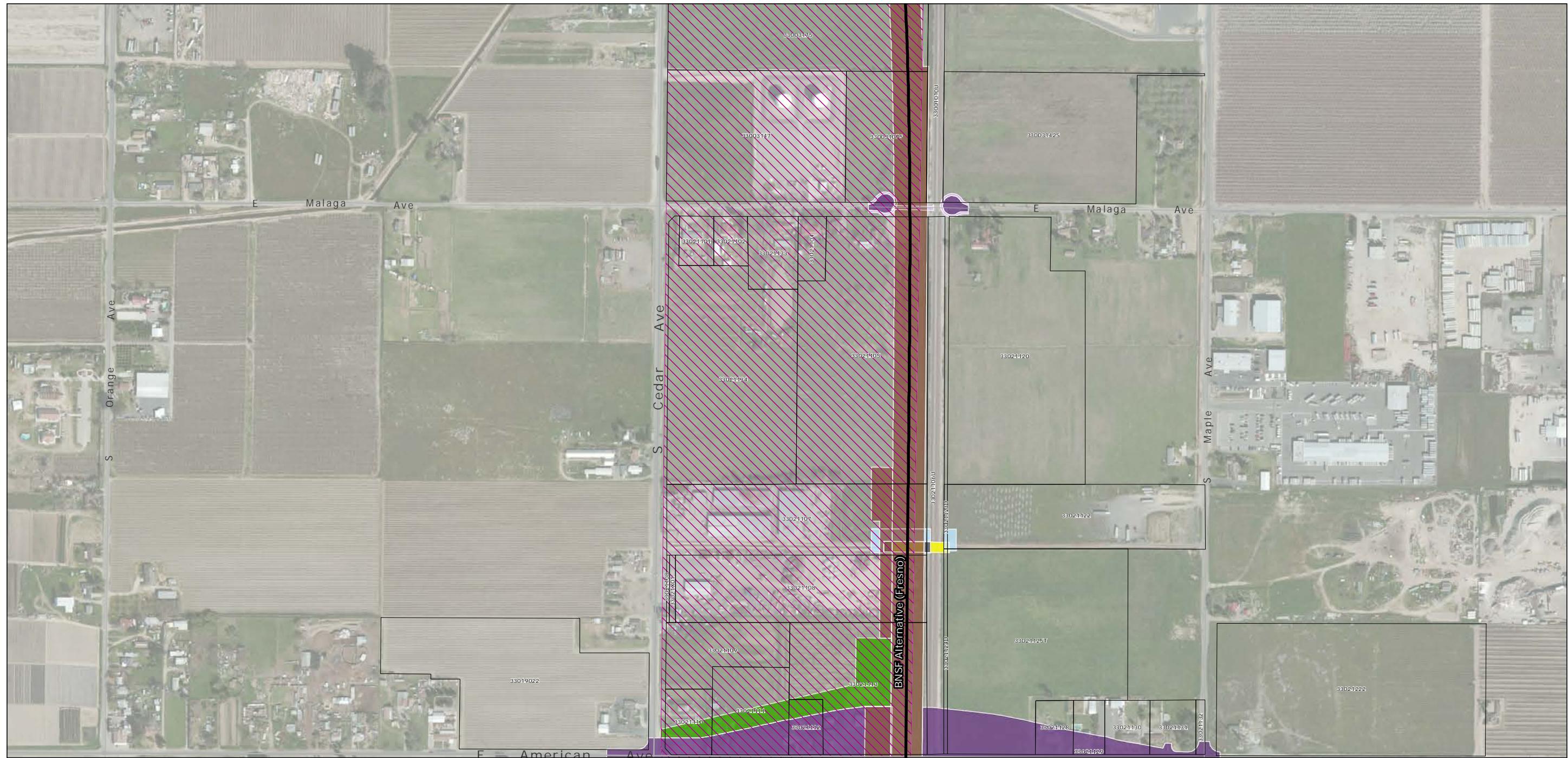


- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

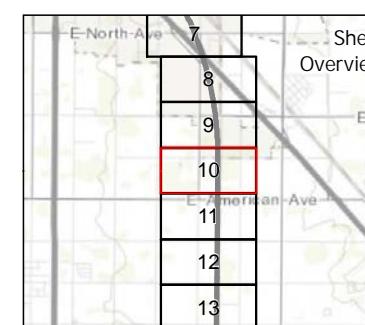
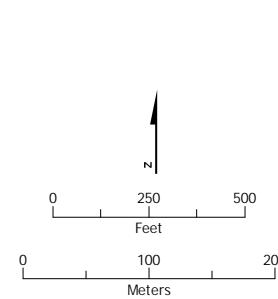
- | Project footprint by category type | |
|------------------------------------|--|
| Construction area | Temporary |
| Roadway | Temporary |
| Station | Permanent (underpass/overpass, access road) |
| Heavy maintenance facility | Temporary (remove base and surfacing, construction easement) |

- | Utilities | |
|-----------|---|
| Temporary | (Relocation of natural gas, petroleum, transmission, or water line) |
| Systems | |
| Permanent | (interlocking site, radio site, traction power facility) |
| Temporary | (construction easement) |

- | Hydrology | |
|-----------|---|
| Permanent | (canal relocation, drainage basin) |
| Temporary | (construction easement) |
| Track | |
| Permanent | (access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary | (construction easement) |



Sheet Overview

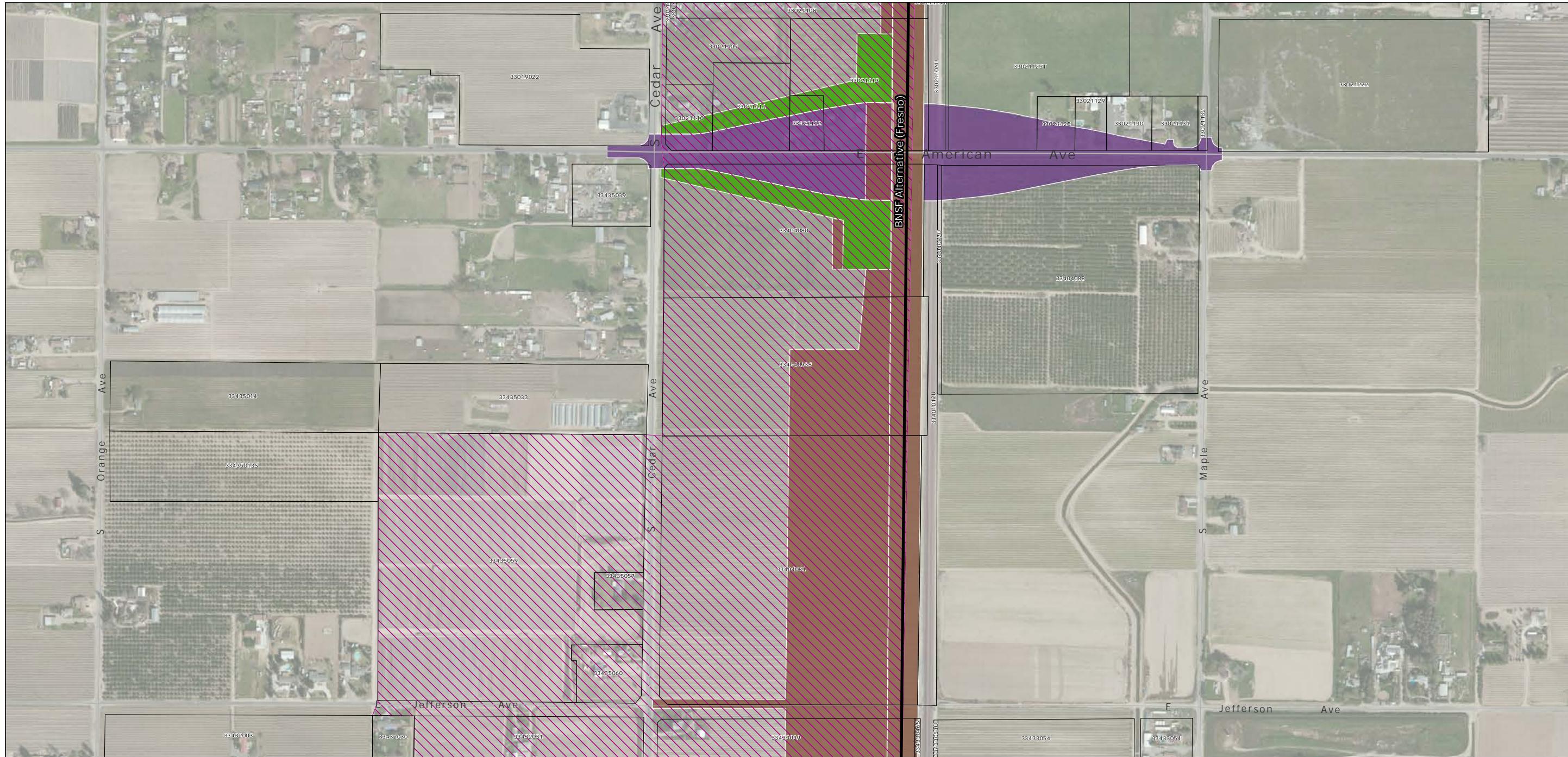


Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

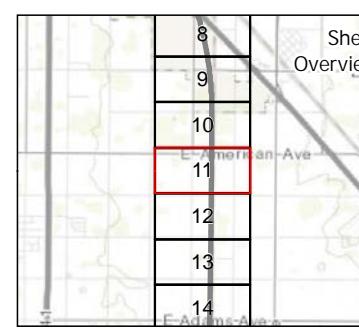
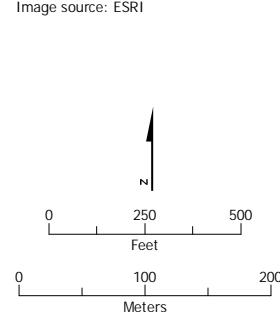
Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Sheet Overview



- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

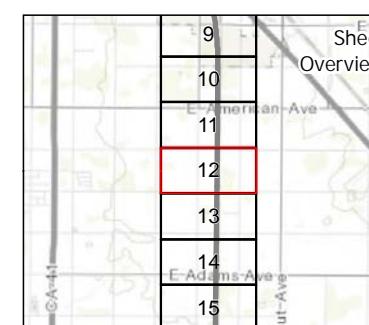
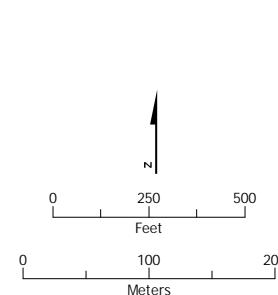
- Project footprint by category type**
- | | |
|--|-----------|
| Construction area | Temporary |
| Roadway | Temporary |
| Station | Permanent |
| Heavy maintenance facility | Temporary |
| Temporary (remove base and surfacing, construction easement) | Temporary |

- Utilities**
- | | |
|-----------|---|
| Temporary | (Relocation of natural gas, petroleum, transmission, or water line) |
| Permanent | (interlocking site, radio site, traction power facility) |
| Temporary | (construction easement) |
- Systems**
- | | |
|-----------|-------------------------|
| Permanent | (construction easement) |
|-----------|-------------------------|

- Hydrology**
- | | |
|-----------|------------------------------------|
| Permanent | (canal relocation, drainage basin) |
| Temporary | (construction easement) |
- Track**
- | | |
|-----------|---|
| Permanent | (access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary | (construction easement) |



Sheet Overview

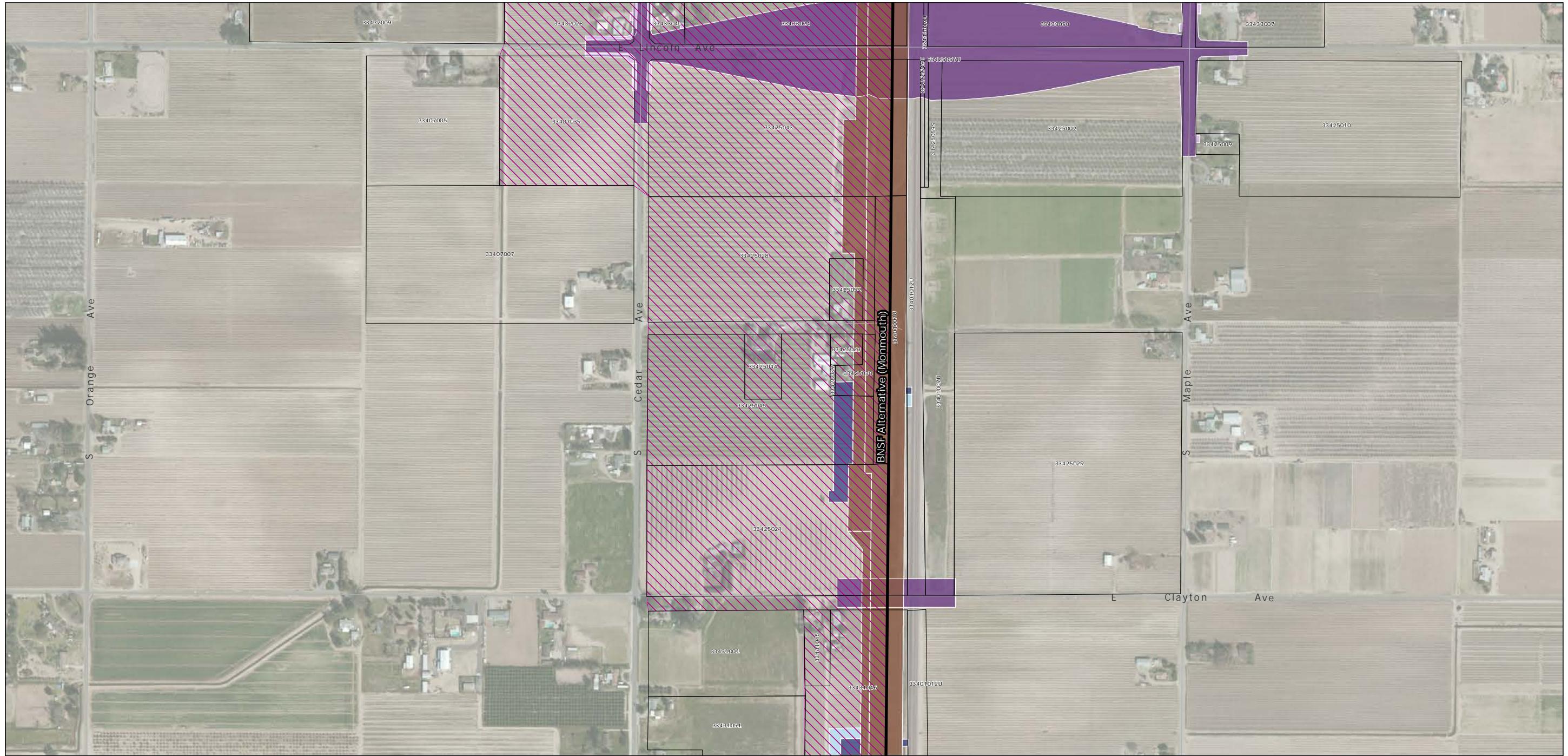


- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- Project footprint by category type**
- Construction area
 - Roadway
 - Temporary
 - Permanent
 - (underpass/overpass, access road)
 - Temporary
 - (remove base and surfacing, construction easement)

- Utilities**
- Temporary (Relocation of natural gas, petroleum, transmission, or water line)
- Systems**
- Permanent (interlocking site, radio site, traction power facility)
 - Temporary (construction easement)

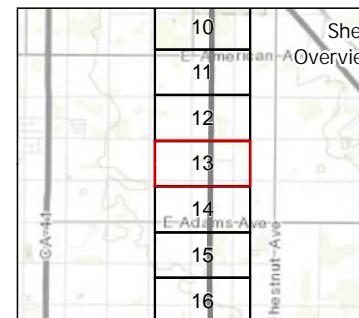
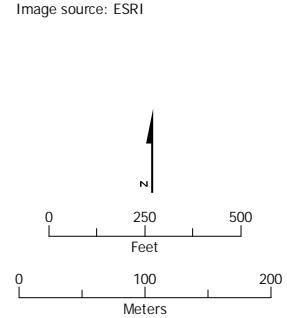
- Hydrology**
- Permanent (canal relocation, drainage basin)
 - Temporary (construction easement)
- Track**
- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
 - Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESR

March 19, 2014



- Alternative alignments
 -  Parcel (APN displayed)
 -  Heavy maintenance faci
 -  Station

Project footprint by category type

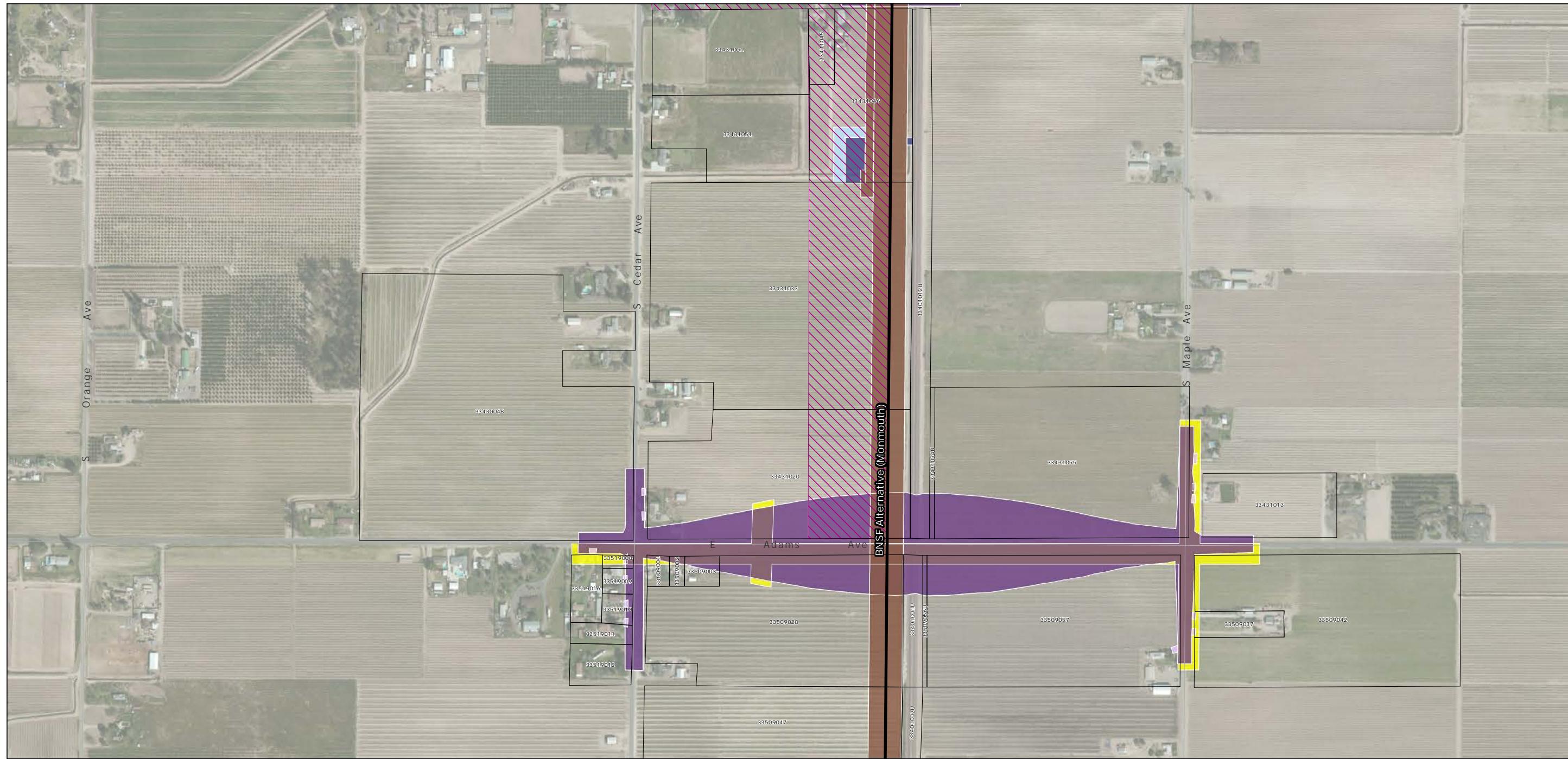
- Construction area
 - Temporary
 - Roadway
 - Permanent
(underpass/overpass, access roads)
 - Temporary
(remove base and surfacing,
construction easement)

Utility

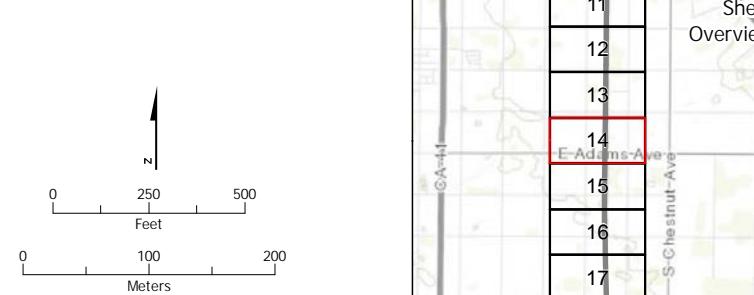
- Yellow box: Temporary
(Relocation of natural gas, petroleum transmission, or water line)
 - Green box: Permanent
(Interlocking site, radio site, traction power facility)
 - Light green box: Temporary
(construction easement)

Hydrology

- Permanent
(canal relocation, drainage basin)
 - Temporary
(construction easement)
 - Track
 - Permanent
(access road, freight rail relocation, HST tracks, maintenance of infrastructure)
 - Temporary
(construction easement)



Sheet Overview



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

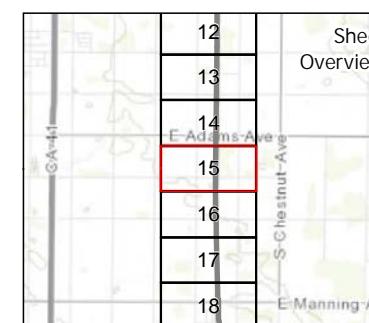
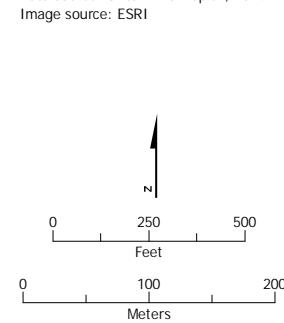
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESR

March 19, 2014

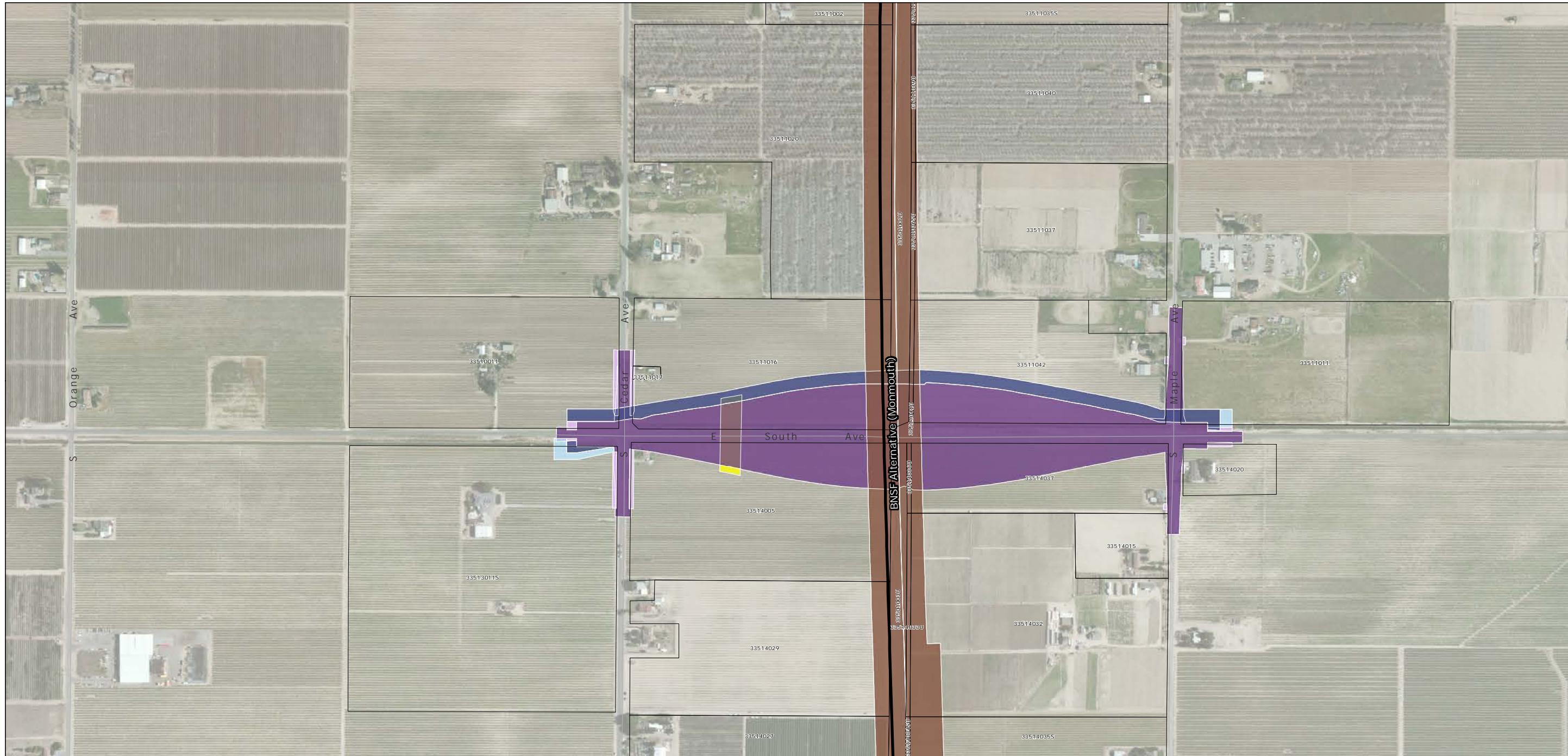


	Alternative alignments
	Parcel (APN displayed)
	Heavy maintenance facility
	Station
Project footprint by category type	
	Construction area
	Temporary
	Roadway
	Permanent (underpass/overpass, access road)
	Temporary (remove base and surfacing, construction easement)

- Utilities
 - Temporary
(Relocation of natural gas, petroleum transmission, or water line)
- Systems
 - Permanent
(interlocking site, radio site, traction power facility)
 - Temporary
(construction easement)

Hydrology	Permanent (canal relocation, drainage basin)
	Temporary (construction easement)
Track	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
	Temporary (construction easement)

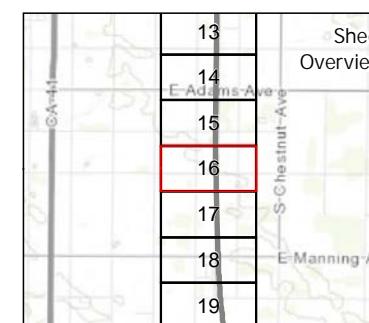
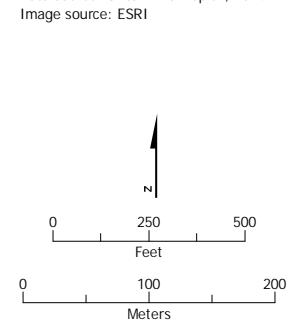
Page 15 of 558
BNSF Alternative
the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESR

March 19, 2014



- Alternative alignments
- [] Parcel (APN displayed)
- [] Heavy maintenance facil.
- [] Station

Project footprint by category type

- Construction area
- Temporary
- Roadway
- Permanent
 - (underpass/overpass, access ro
- Temporary
 - (remove base and surfacing,
 - construction easement)

Utility

- Temporary
(Relocation of natural gas, petroleum transmission, or water line)
- Systems
- Permanent
(interlocking site, radio site, traction power facility)
- Temporary
(construction easement)

Hydrology

- Permanent
(canal relocation, drainage basin)
- Temporary
(construction easement)

Track

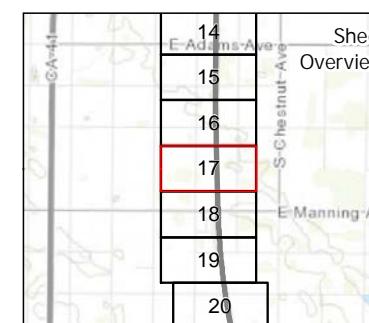
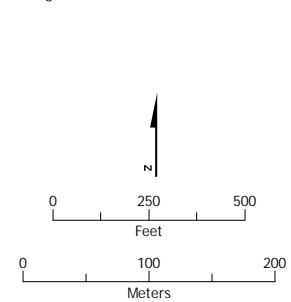
- Permanent
(access road, freight rail relocation, HST tracks, maintenance of infrastructure)
- Temporary
(construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

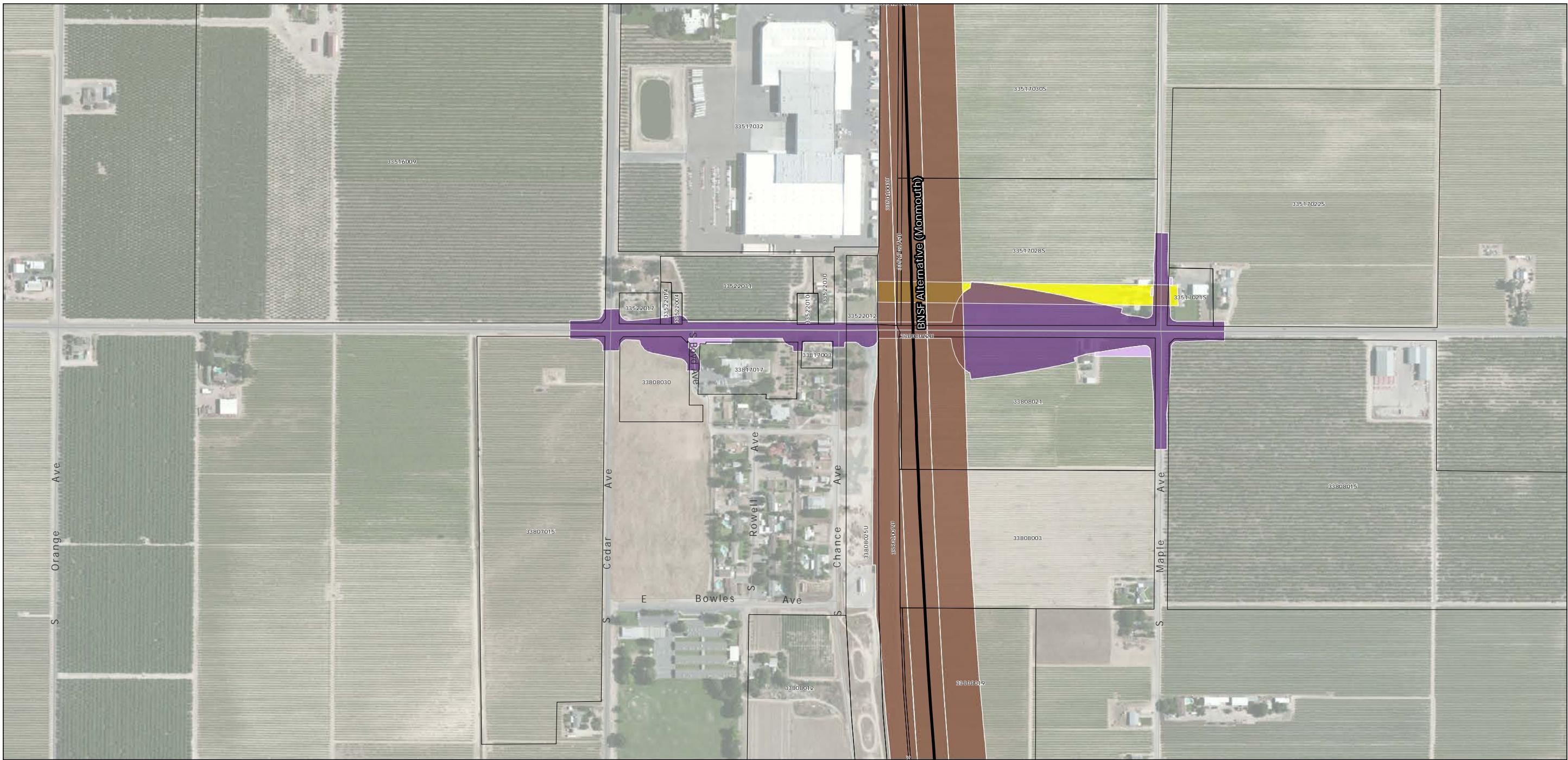


- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- | Project footprint by category type | |
|------------------------------------|---|
| Construction area | Temporary |
| Roadway | Relocation of natural gas, petroleum, transmission, or water line |
| Station | Permanent (underpass/overpass, access road) |
| | Temporary (remove base and surfacing, construction easement) |

- | Utilities | |
|-----------|---|
| Temporary | (Relocation of natural gas, petroleum, transmission, or water line) |
| Systems | Permanent (interlocking site, radio site, traction power facility) |
| Track | Temporary (construction easement) |

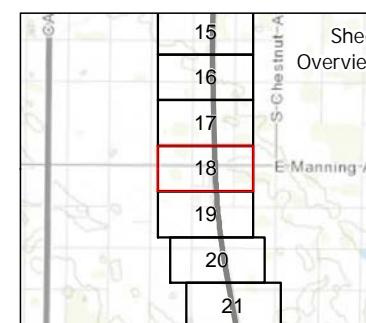
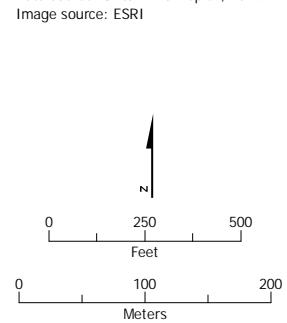
- | Hydrology | |
|-----------|---|
| Permanent | (canal relocation, drainage basin) |
| Temporary | (construction easement) |
| Track | Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary | (construction easement) |



Data source: URS/HMM/Arup JV, 2014

Image source: ESR

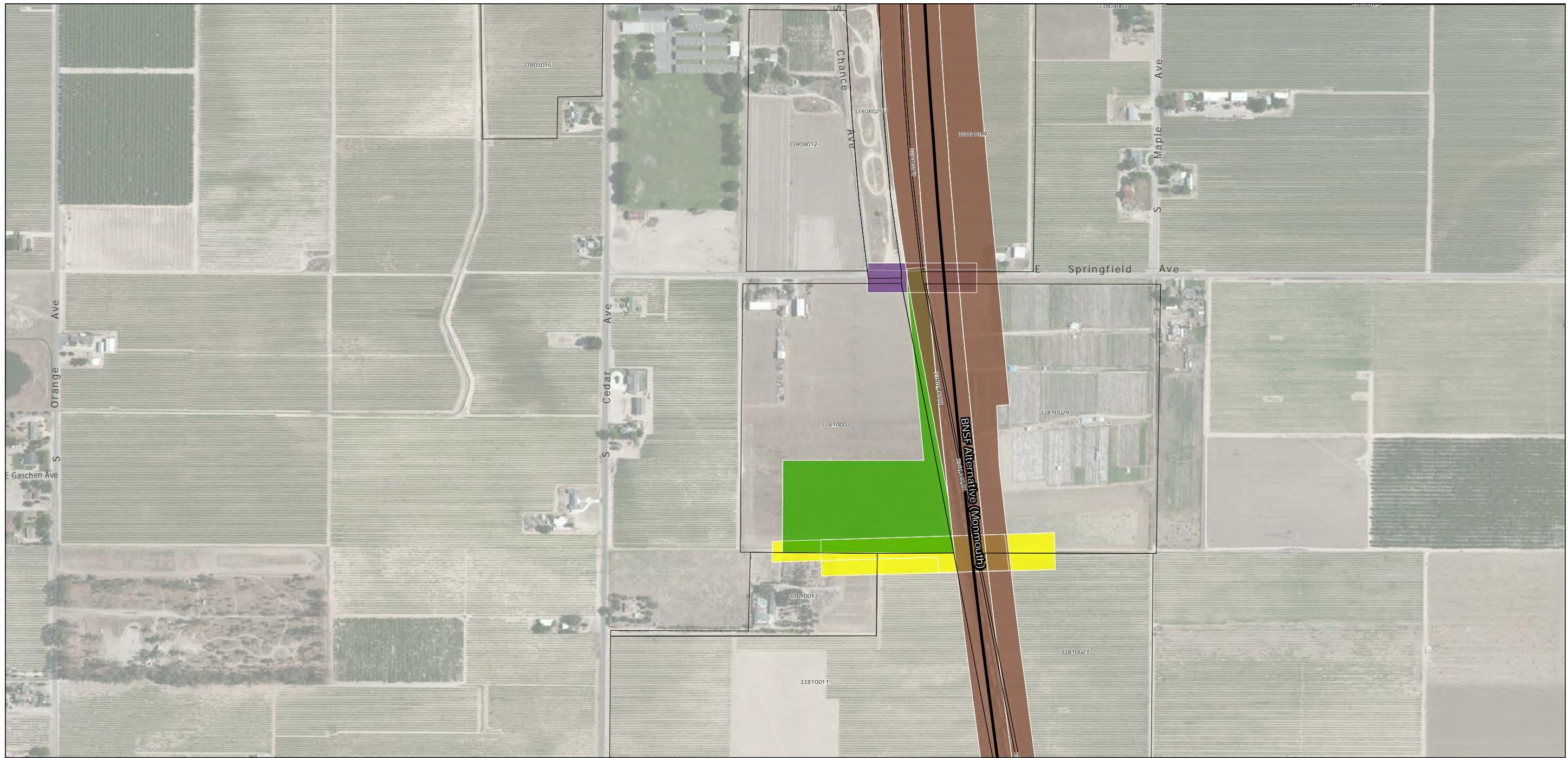
March 19, 2014



- | | |
|---|--|
| | Alternative alignments |
| | Parcel (APN displayed) |
| | Heavy maintenance facility |
| | Station |
| Project footprint by category type | |
| | Construction area |
| | Temporary |
| | Roadway |
| | Permanent
(underpass/overpass, access road) |
| | Temporary
(remove base and surfacing,
construction easement) |

- Utilities
 - Temporary
(Relocation of natural gas, petroleum transmission, or water line)
 - Systems
 - Permanent
(interlocking site, radio site, traction power facility)
 - Temporary
(construction easement)

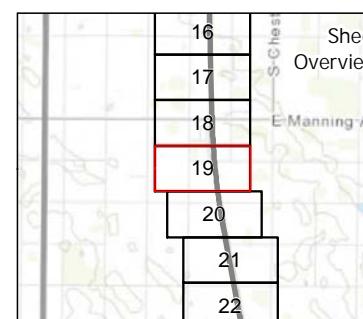
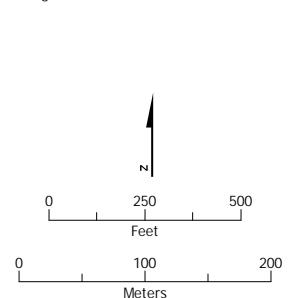
- | Hydrology | |
|---|---|
|  | Permanent
(canal relocation, drainage basin) |
|  | Temporary
(construction easement) |
| Track | |
|  | Permanent
(access road, freight rail relocation,
HST tracks, maintenance of infrastructure) |
|  | Temporary
(construction easement) |



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



- Alternative alignments
- Parcel (APN displayed)
- ▨ Heavy maintenance facility
- ▨ Station

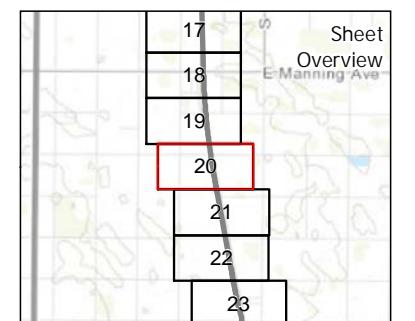
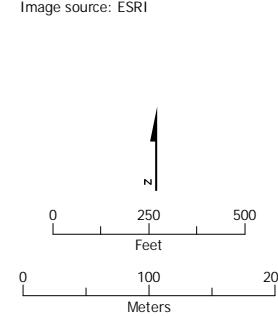
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|---|--|
| Project footprint by category type | |
| Construction area | Utilities |
| Temporary | Temporary
(Relocation of natural gas, petroleum, transmission, or water line) |
| Roadway | Systems |
| Permanent
(underpass/overpass, access road) | Permanent
(interlocking site, radio site, traction power facility) |
| Temporary
(remove base and surfacing, construction easement) | Temporary
(construction easement) |

- | |
|--|
| Hydrology |
| Permanent
(canal relocation, drainage basin) |
| Temporary
(construction easement) |
| Track |
| Permanent
(access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary
(construction easement) |



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



March 19, 2014

Image source: ESRI

E-Manning Sheet Overview

18	19	20	21	22	23	24
E-Manning Sheet Overview						
Project footprint by category type						
Construction area						
Temporary						
Roadway						
Permanent (underpass/overpass, access road)						
Temporary (remove base and surfacing, construction easement)						
Utilities						
Temporary (Relocation of natural gas, petroleum, transmission, or water line)						
Systems						
Permanent (interlocking site, radio site, traction power facility)						
Temporary (construction easement)						
Hydrology						
Permanent (canal relocation, drainage basin)						
Temporary (construction easement)						
Track						
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)						
Temporary (construction easement)						



Data source: URS/HMM/Arup JV, 2014

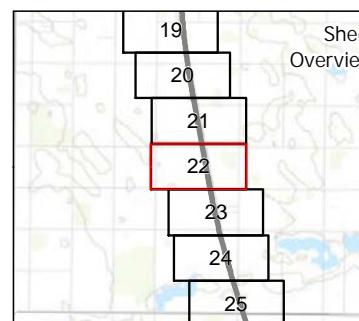
Image source: ESRI

March 19, 2014

Parcel (APN displayed)

Heavy maintenance facility

Station



Alternative alignments

Construction area

Roadway

Temporary

Project footprint by category type

Construction area

Temporary

Roadway

Permanent

(underpass/overpass, access road)

Temporary

(remove base and surfacing, construction easement)

Temporary

(construction easement)

Temporary

(construction easement)

Temporary

Utilities

Temporary
(Relocation of natural gas, petroleum, transmission, or water line)

Systems

Permanent
(interlocking site, radio site, traction power facility)

Temporary
(construction easement)

Hydrology

Permanent
(canal relocation, drainage basin)

Temporary

(construction easement)

Track

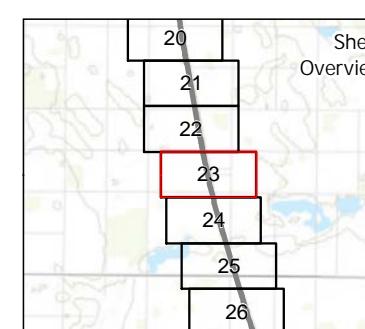
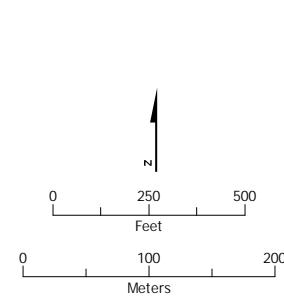
Permanent
(access road, freight rail relocation, HST tracks, maintenance of infrastructure)

Temporary

(construction easement)



Sheet Overview



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

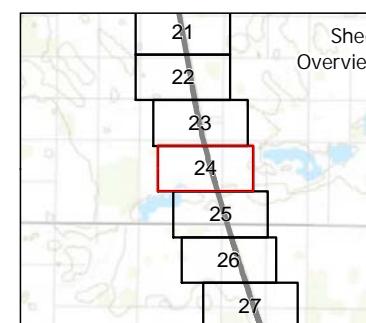
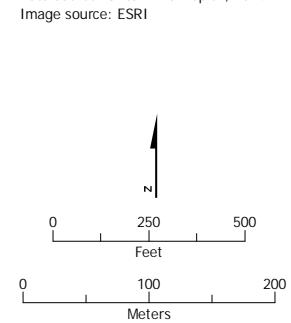
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ES

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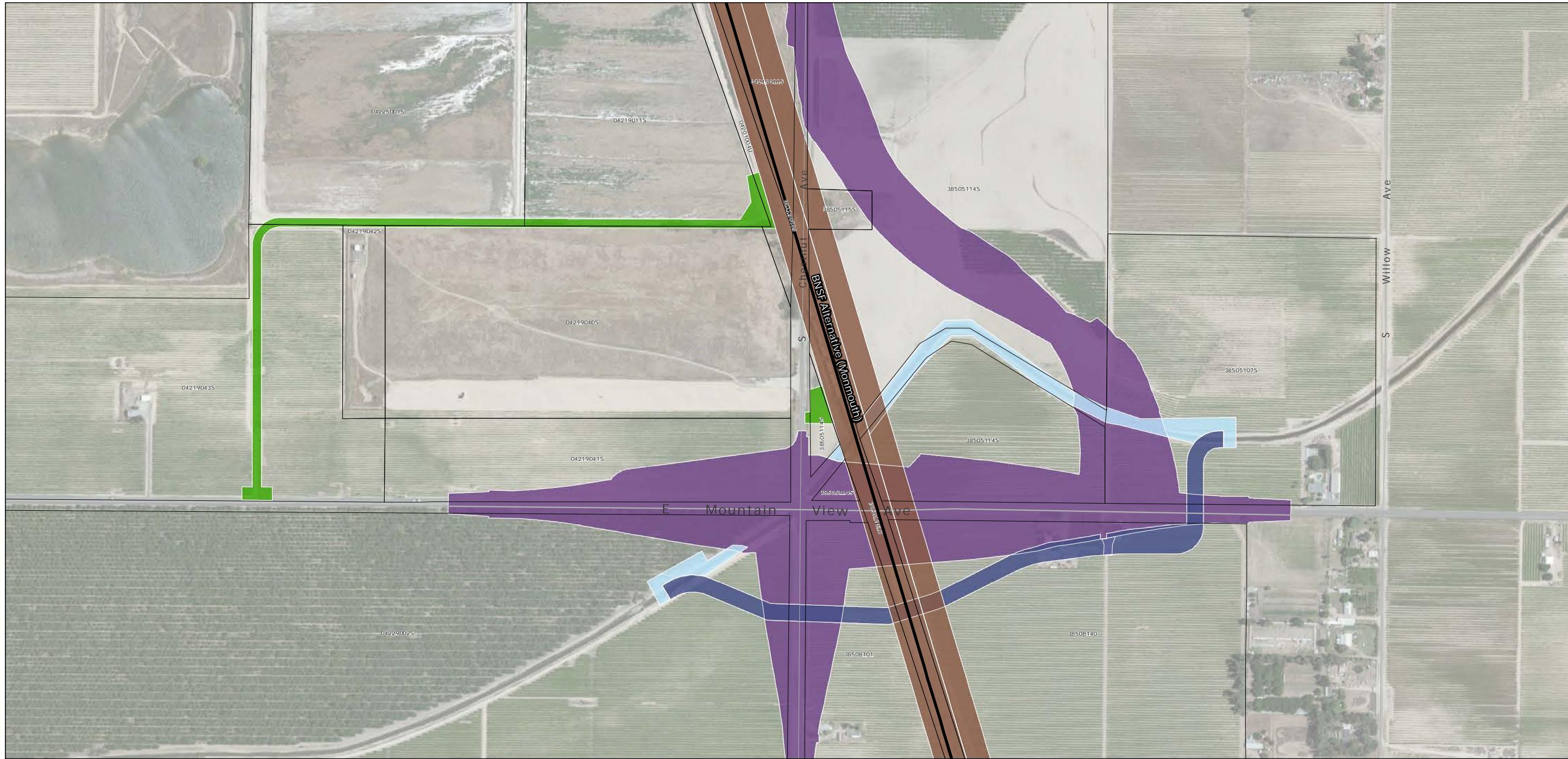
- Alternative alignments
-  Parcel (APN displayed)
-  Heavy maintenance facil.
-  Station

Project footprint by category type

- Construction area
 - Temporary
- Roadway
 - Permanent
(underpass/overpass, access road)
 - Temporary
(remove base and surfacing,
construction easement)

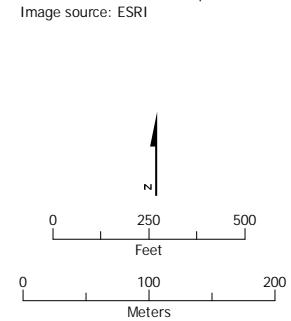
- Utilities
 - Temporary
 - (Relocation of natural gas, petroleum transmission, or water line)
- Systems
 - Permanent
 - (Interlocking site, radio site, traction power facility)
 - Temporary
 - (construction easement)

Hydrology	Permanent (canal relocation, drainage basin)
	Temporary (construction easement)
Track	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
	Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



	Alternative alignments	Project footprint by category type	Utilities	Hydrology
	Parcel (APN displayed)	Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)	Permanent (canal relocation, drainage basin)
	Heavy maintenance facility	Roadway	Temporary (construction easement)	Temporary (construction easement)
	Station	Permanent (underpass/overpass, access road)	Permanent (interlocking site, radio site, traction power facility)	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
		Temporary (remove base and surfacing, construction easement)	Temporary (construction easement)	Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

Image source: ESRI

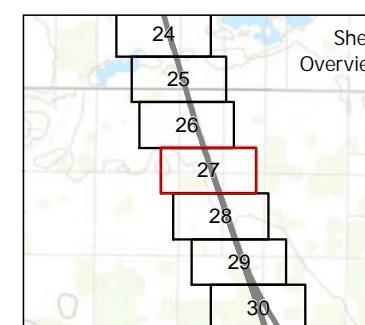
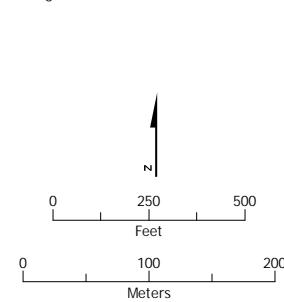
Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

Data source: URS/HMM/



Sheet Overview



- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- Project footprint by category type**
- Construction area
 - Temporary
 - Roadway
 - Permanent (underpass/overpass, access road)
 - Temporary (remove base and surfacing, construction easement)

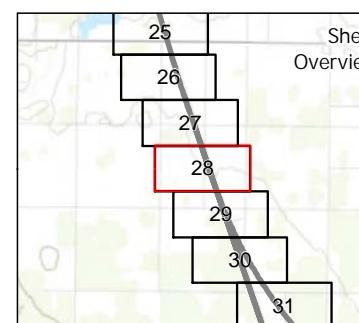
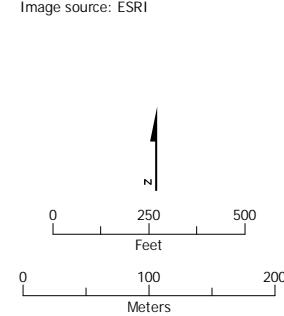
- Utilities**
- Temporary (Relocation of natural gas, petroleum, transmission, or water line)
- Systems**
- Permanent (interlocking site, radio site, traction power facility)
 - Temporary (construction easement)

- Hydrology**
- Permanent (canal relocation, drainage basin)
 - Temporary (construction easement)
- Track**
- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
 - Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Sheet Overview

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March 19, 2014

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Image source: ESRI

March 19, 2014

Data source: URS/HMM/Arup JV, 2014

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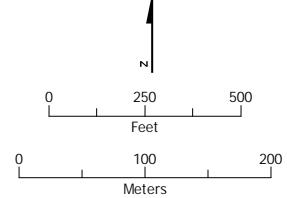
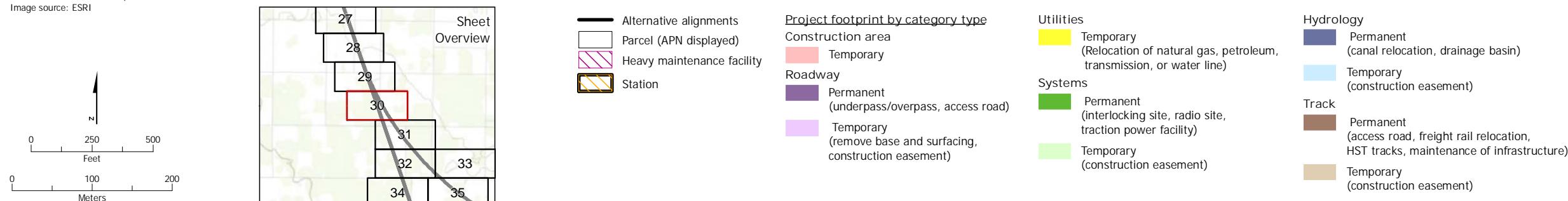
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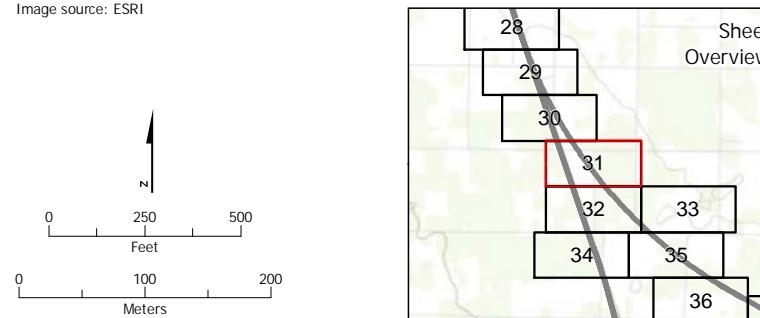
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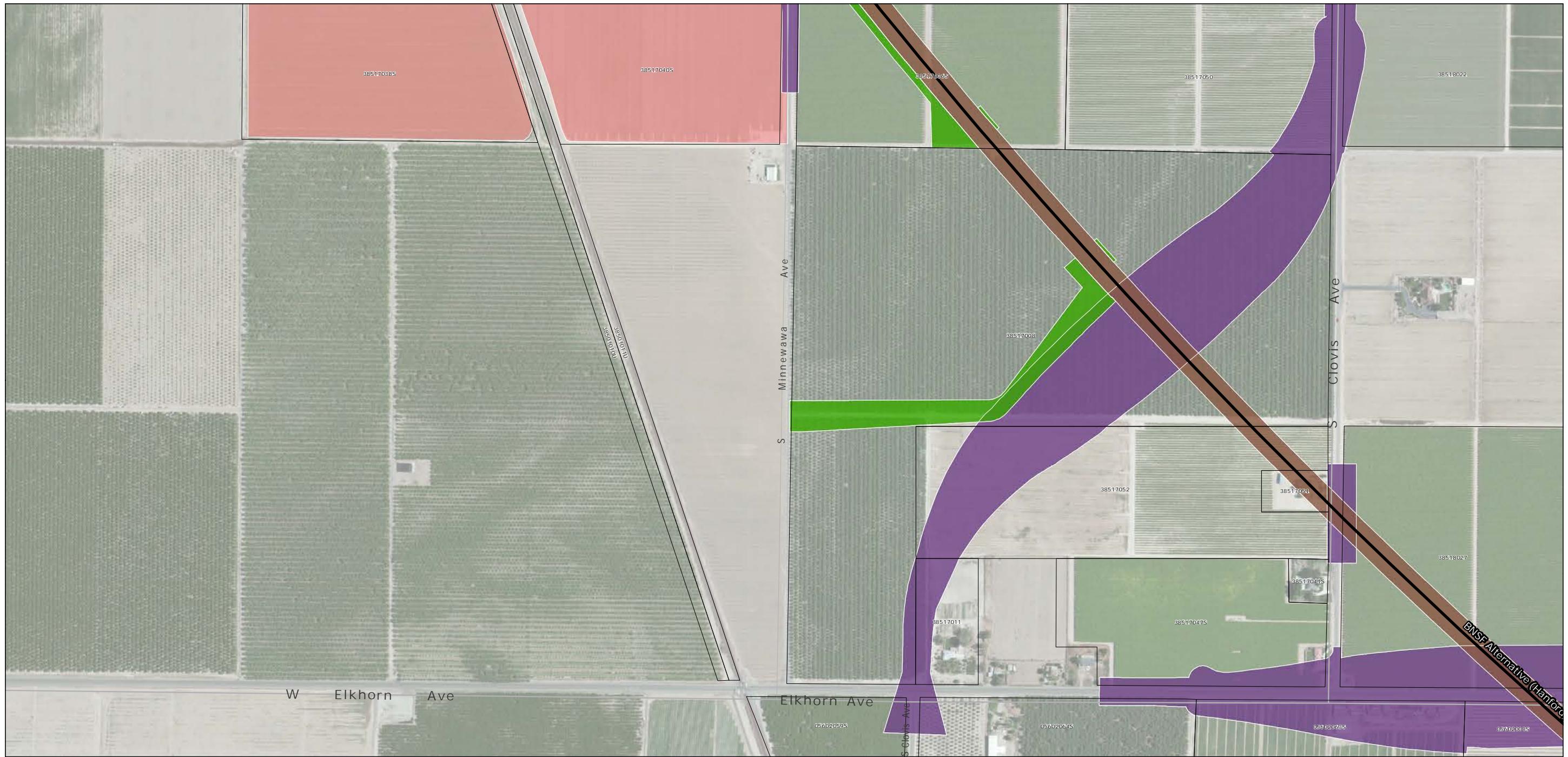


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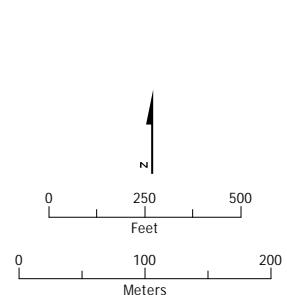
March 19, 2014



Alternative alignments		Project footprint by category type		Utilities		Hydrology	
		Construction area		Temporary (Relocation of natural gas, petroleum, transmission, or water line)		Permanent (canal relocation, drainage basin)	
		Temporary		Temporary		Temporary (construction easement)	
		Roadway		Permanent (underpass/overpass, access road)		Permanent (interlocking site, radio site, traction power facility)	
		Permanent		Temporary (remove base and surfacing, construction easement)		Temporary (construction easement)	
		Station					



Sheet Overview



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type

- Construction area
- Roadway
- Temporary
- Permanent (underpass/overpass, access road)
- Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)

Systems
Permanent (interlocking site, radio site, traction power facility)

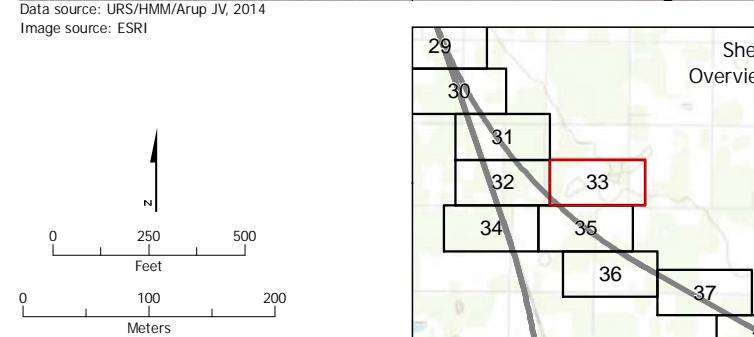
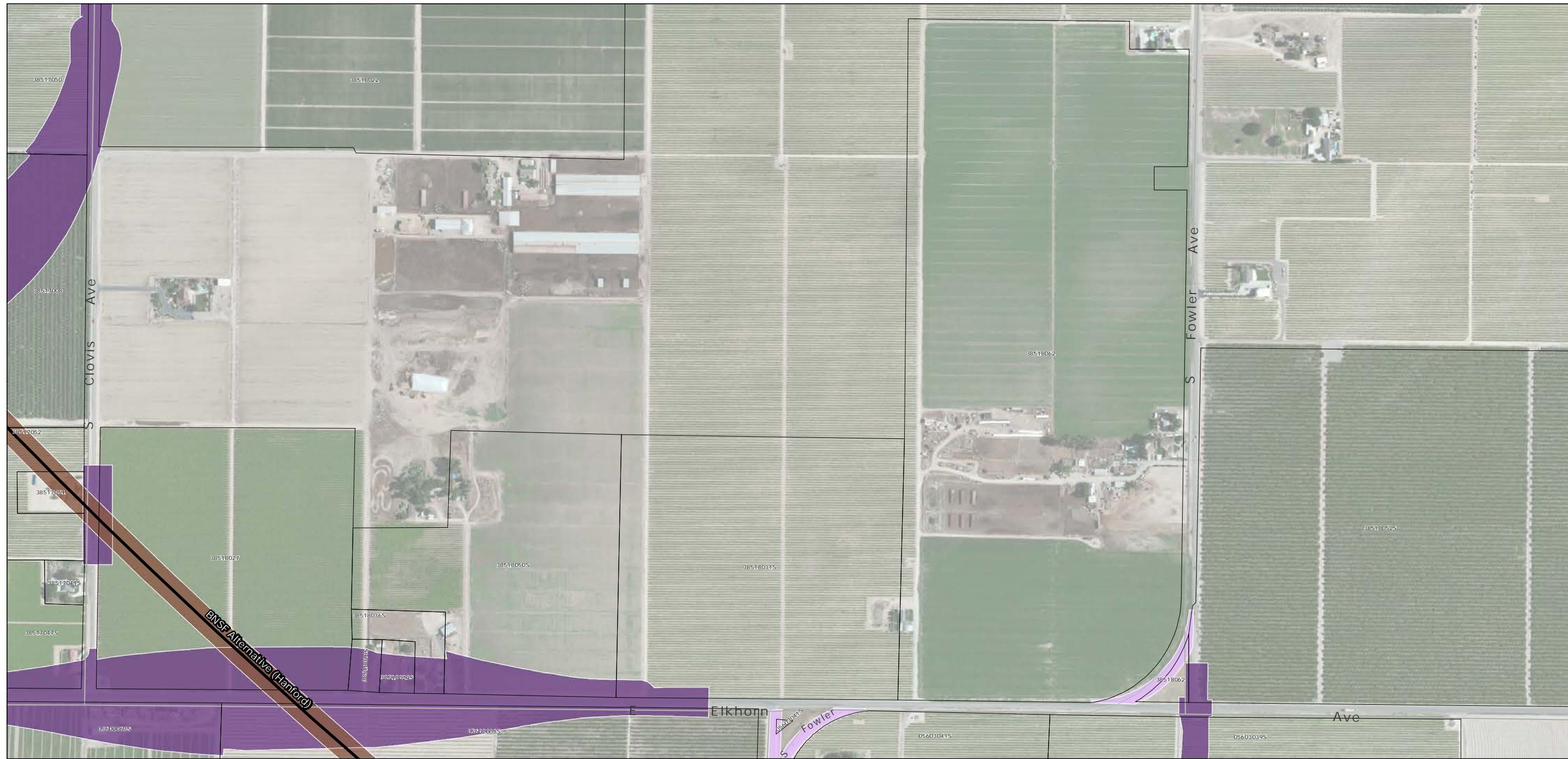
Track
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)

Temporary (construction easement)

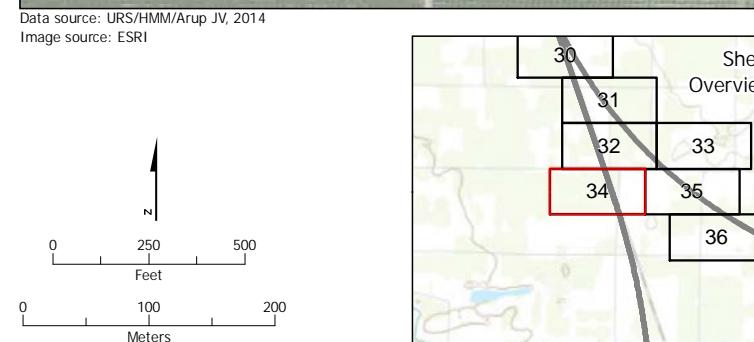
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)

Temporary (construction easement)



Alternative alignments		Project footprint by category type		Utilities		Hydrology	
Parcel (APN displayed)		Construction area		Temporary (Relocation of natural gas, petroleum, transmission, or water line)		Permanent (canal relocation, drainage basin)	
Heavy maintenance facility		Temporary		Temporary		Temporary (construction easement)	
Station		Roadway		Permanent (underpass/overpass, access road)		Permanent (interlocking site, radio site, traction power facility)	
		Temporary (remove base and surfacing, construction easement)		Temporary (construction easement)		Temporary (construction easement)	

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BNSF Alternative
Parcels impacted by the project footprint



— Alternative alignments
■ Parcel (APN displayed)
■ Heavy maintenance facility
■ Station

Project footprint by category type

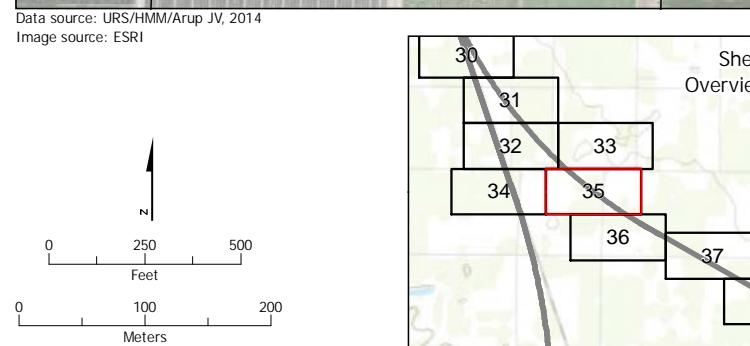
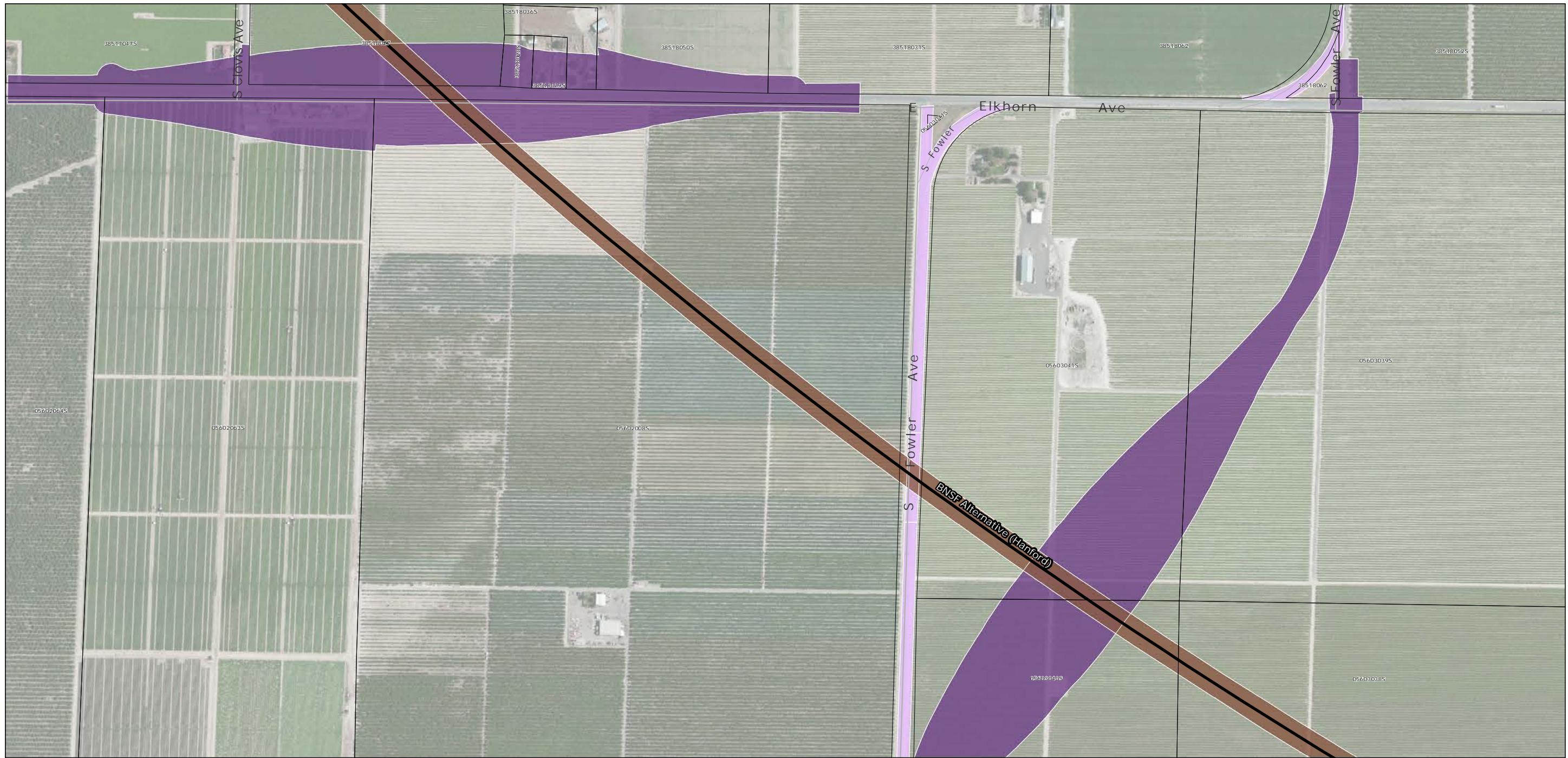
Construction area	Utilities
Temporary	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Systems
Permanent (underpass/overpass, access road)	Permanent (interlocking site, radio site, traction power facility)
Temporary (remove base and surfacing, construction easement)	Temporary (construction easement)

Hydrology

Permanent (canal relocation, drainage basin)
Temporary (construction easement)

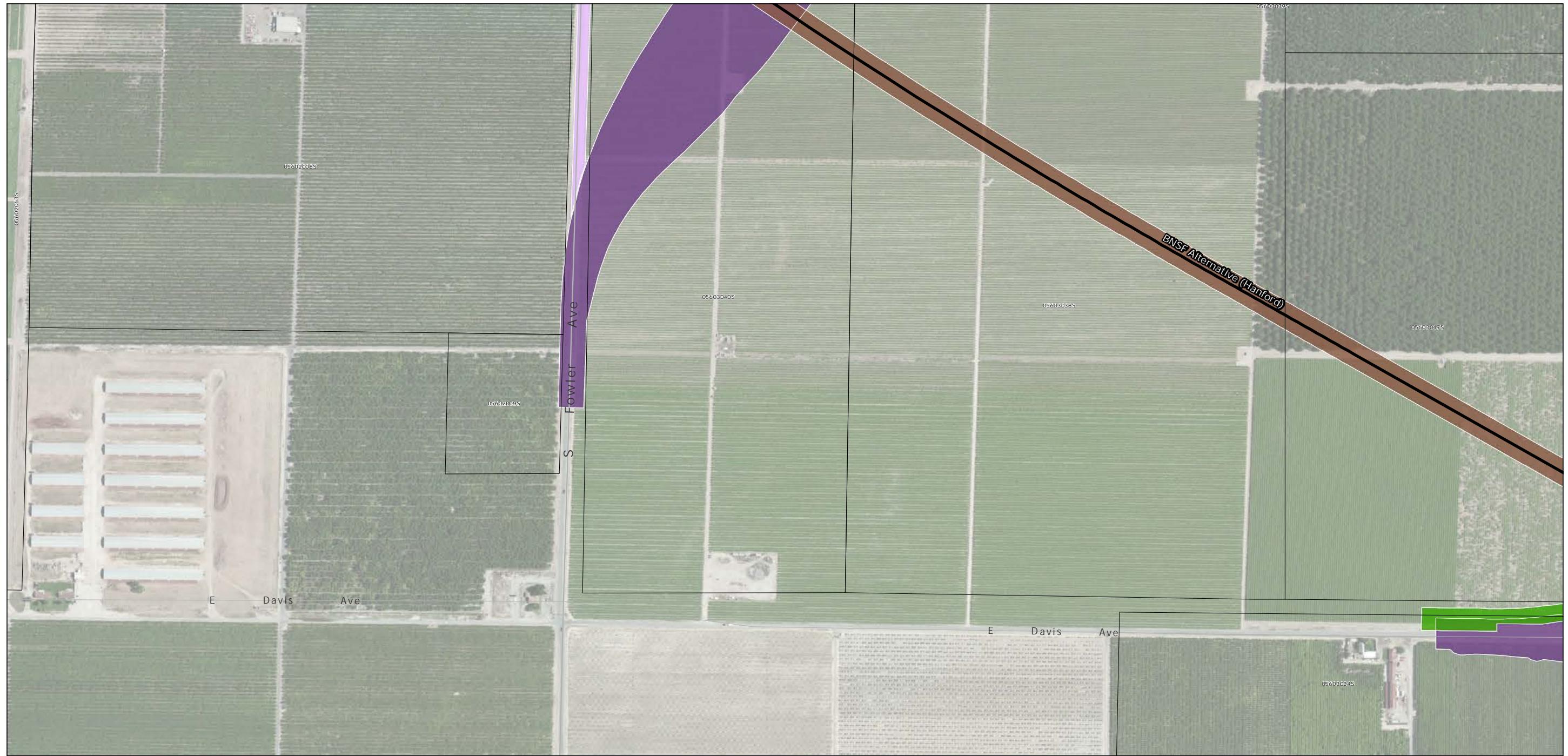
Track

Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



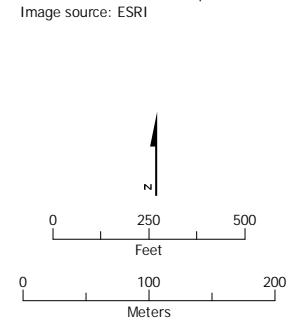
Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Station	Temporary (remove base and surfacing, construction easement)
Utilities	Temporary (construction easement)
Systems	Permanent (interlocking site, radio site, traction power facility)
Track	Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



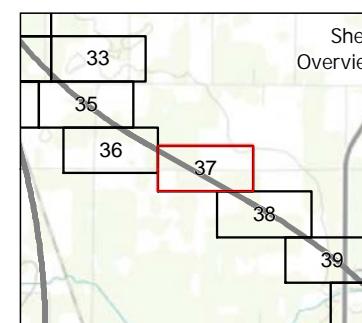
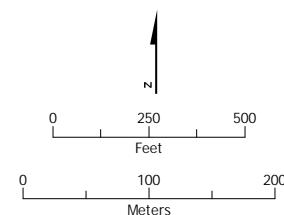
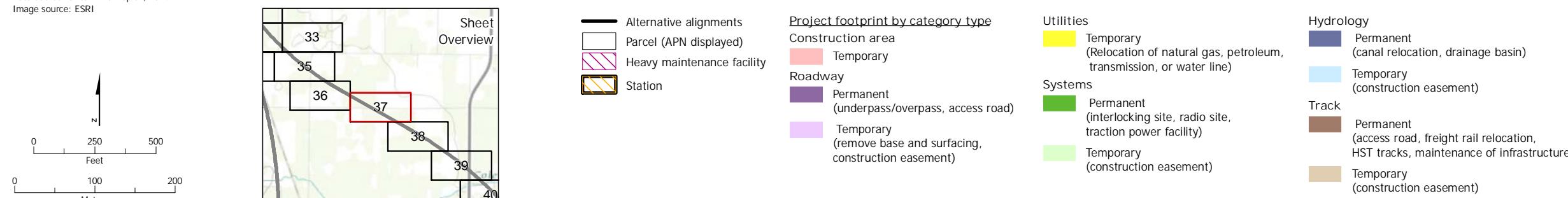
Alternative alignments		Project footprint by category type		Utilities		Hydrology	
Parcel (APN displayed)		Construction area		Temporary (Relocation of natural gas, petroleum, transmission, or water line)		Permanent (canal relocation, drainage basin)	
Heavy maintenance facility		Temporary				Temporary (construction easement)	
Station		Roadway	Permanent (underpass/overpass, access road)			Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)	
		Temporary	Temporary (remove base and surfacing, construction easement)	Permanent (interlocking site, radio site, traction power facility)	Temporary (construction easement)	Temporary (construction easement)	



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

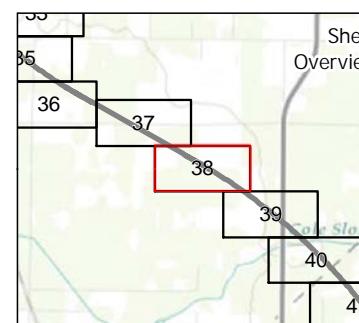
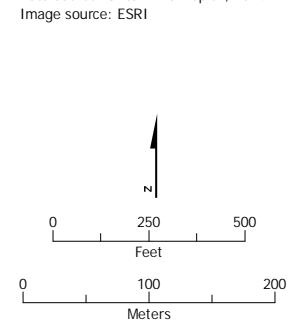
March 19, 2014





Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

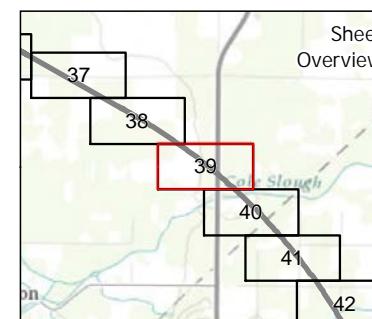
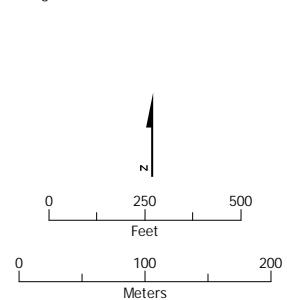
Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Sheet Overview



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type

- Construction area
- Temporary
- Roadway
- Permanent (underpass/overpass, access road)
- Temporary (remove base and surfacing, construction easement)

Utilities

- Temporary (Relocation of natural gas, petroleum, transmission, or water line)

Systems

- Permanent (interlocking site, radio site, traction power facility)
- Temporary (construction easement)

Hydrology

- Permanent (canal relocation, drainage basin)
- Temporary (construction easement)

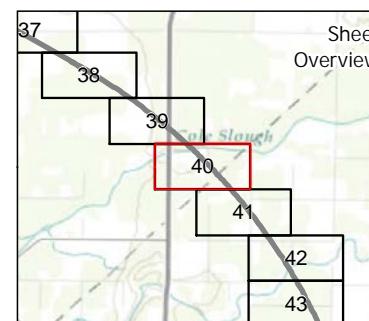
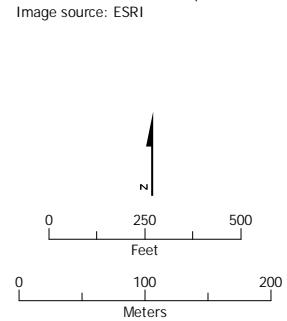
Track

- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
- Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



— Alternative alignments
■ Parcel (APN displayed)
■ Heavy maintenance facility
■ Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)
Hydrology

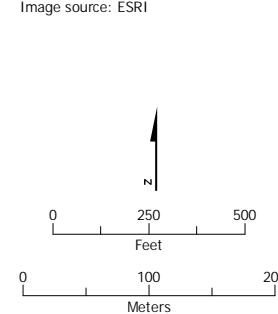
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

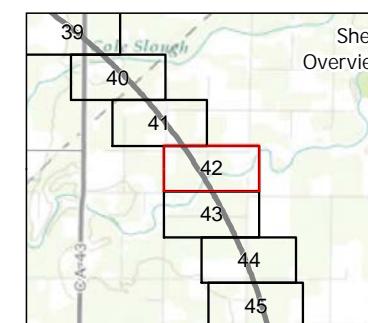
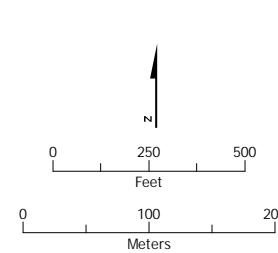


Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Station	Temporary (remove base and surfacing, construction easement)
Utilities	Temporary (construction easement)
Systems	Permanent (interlocking site, radio site, traction power facility)
Track	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
	Temporary (construction easement)



March 19, 2014

Image source: ESRI



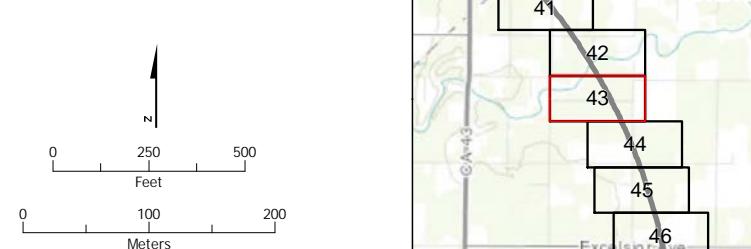


Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

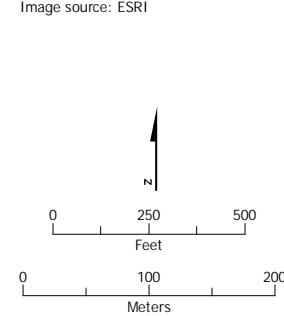
	Alternative alignments	Project footprint by category type	Utilities	Hydrology
	Parcel (APN displayed)	Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)	Permanent (canal relocation, drainage basin)
	Heavy maintenance facility	Temporary		Temporary (construction easement)
	Station	Roadway		Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
		Permanent (underpass/overpass, access road)		Temporary (construction easement)
		Temporary (remove base and surfacing, construction easement)		
			Permanent (interlocking site, radio site, traction power facility)	
			Temporary (construction easement)	





Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

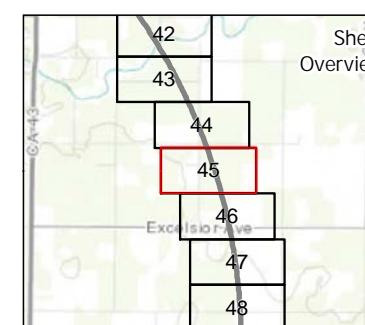
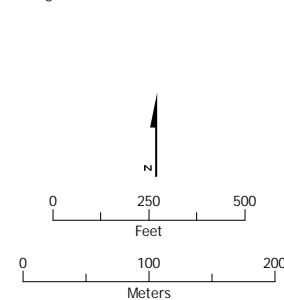
March 19, 2014



Alternative alignments		Project footprint by category type		Utilities		Hydrology	
Parcel (APN displayed)		Construction area		Temporary (Relocation of natural gas, petroleum, transmission, or water line)		Permanent (canal relocation, drainage basin)	
Heavy maintenance facility		Temporary				Temporary (construction easement)	
Station		Roadway	Permanent (underpass/overpass, access road)			Track	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
			Temporary (remove base and surfacing, construction easement)				Temporary (construction easement)



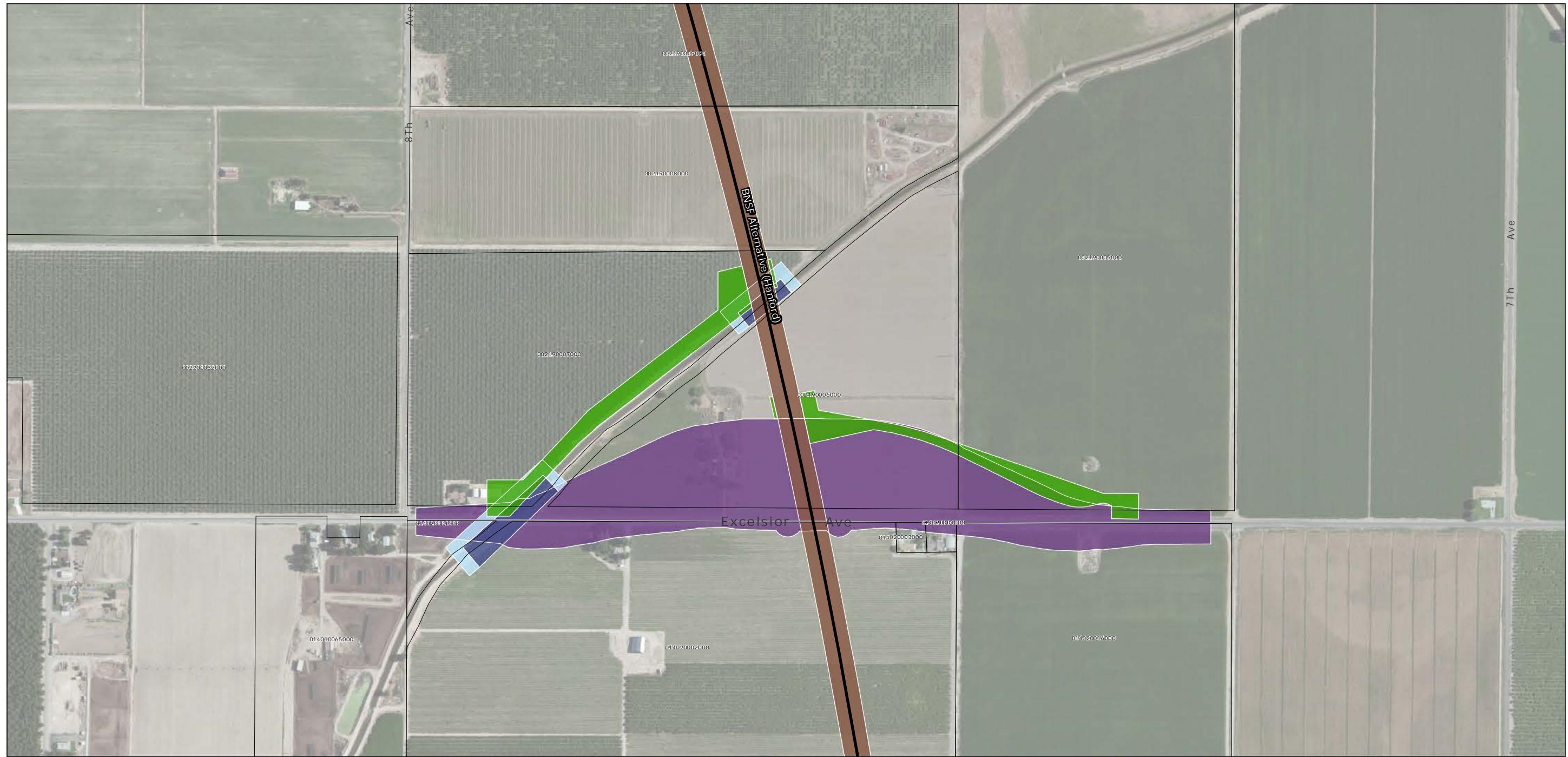
Sheet Overview



- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- Project footprint by category type**
- | | |
|--|--|
| Construction area | Utilities |
| Temporary | Temporary
(Relocation of natural gas, petroleum, transmission, or water line) |
| Roadway | Systems |
| Permanent
(underpass/overpass, access road) | Permanent
(interlocking site, radio site, traction power facility) |
| Temporary | Temporary
(construction easement) |
| (remove base and surfacing, construction easement) | |

- | |
|--|
| Hydrology |
| Permanent
(canal relocation, drainage basin) |
| Temporary
(construction easement) |
| Track |
| Permanent
(access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary
(construction easement) |



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014

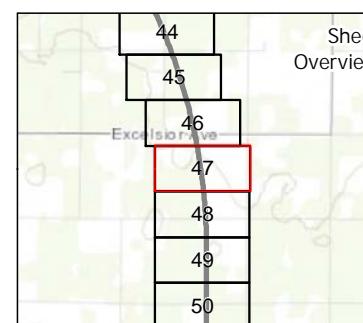
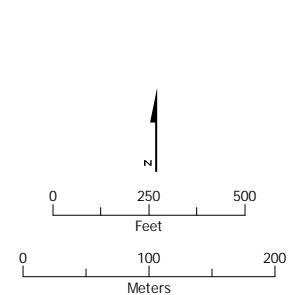
URS/HMM/Arup JV, 2014

ESRI

URS/HMM/Arup JV, 2014



Sheet Overview



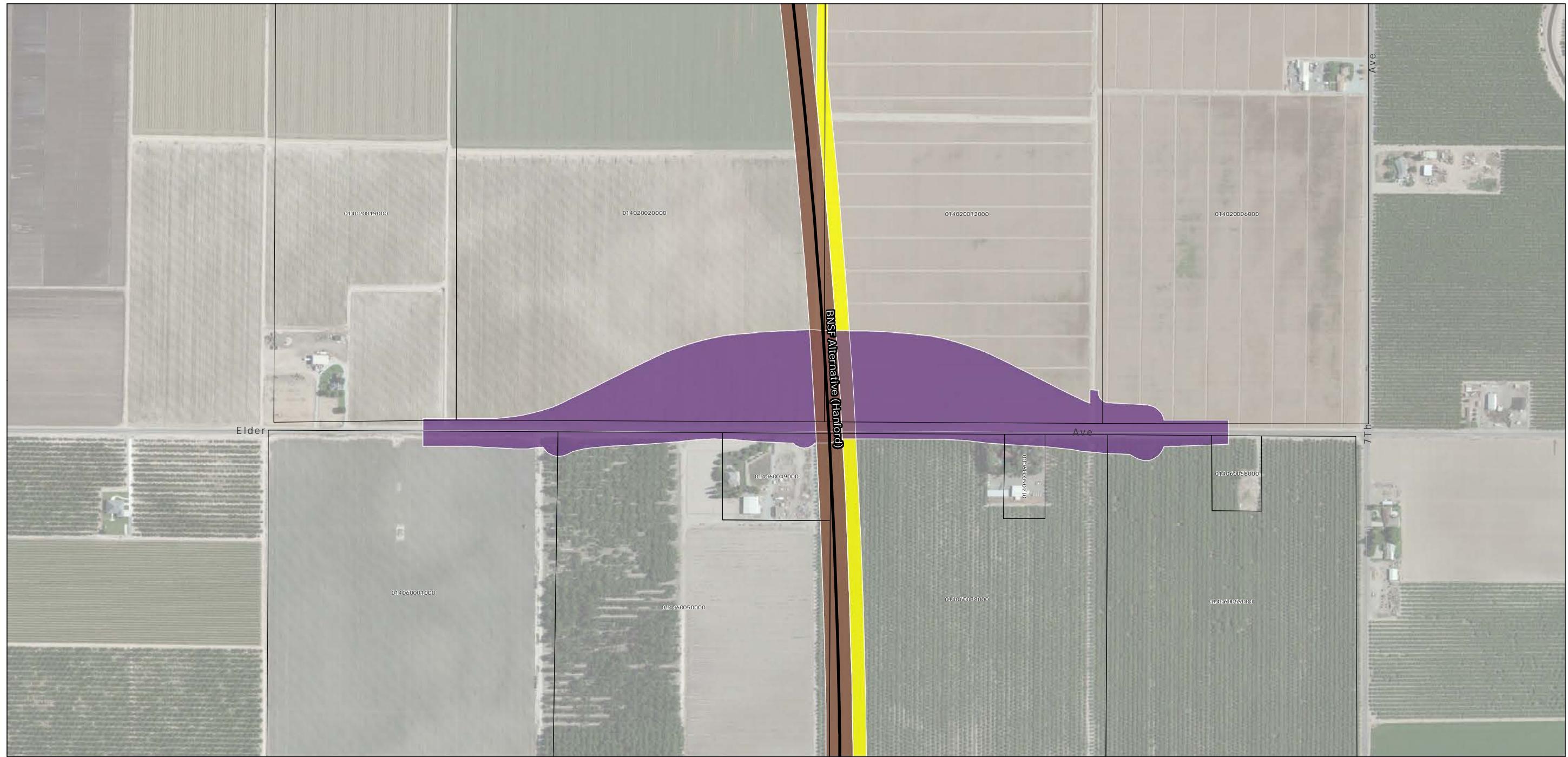
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

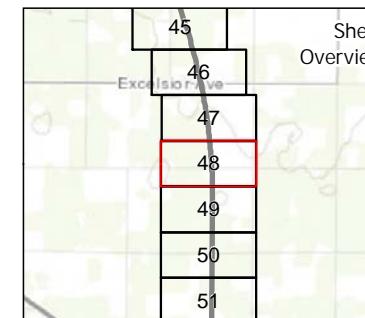
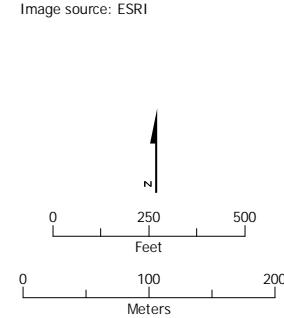
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Temporary	(remove base and surfacing, construction easement)

Utilities	
Temporary	(Relocation of natural gas, petroleum, transmission, or water line)
Systems	
Permanent	(interlocking site, radio site, traction power facility)
Temporary	(construction easement)

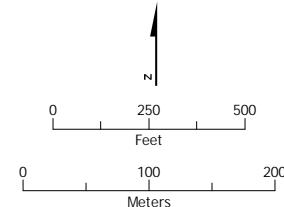
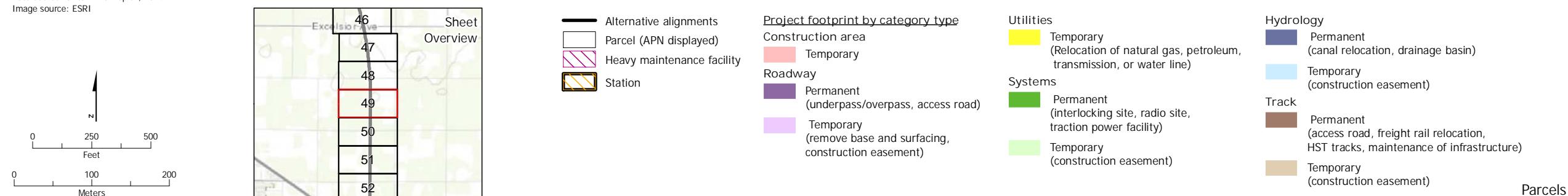
Hydrology	
Permanent	(canal relocation, drainage basin)
Temporary	(construction easement)
Track	
Permanent	(access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary	(construction easement)

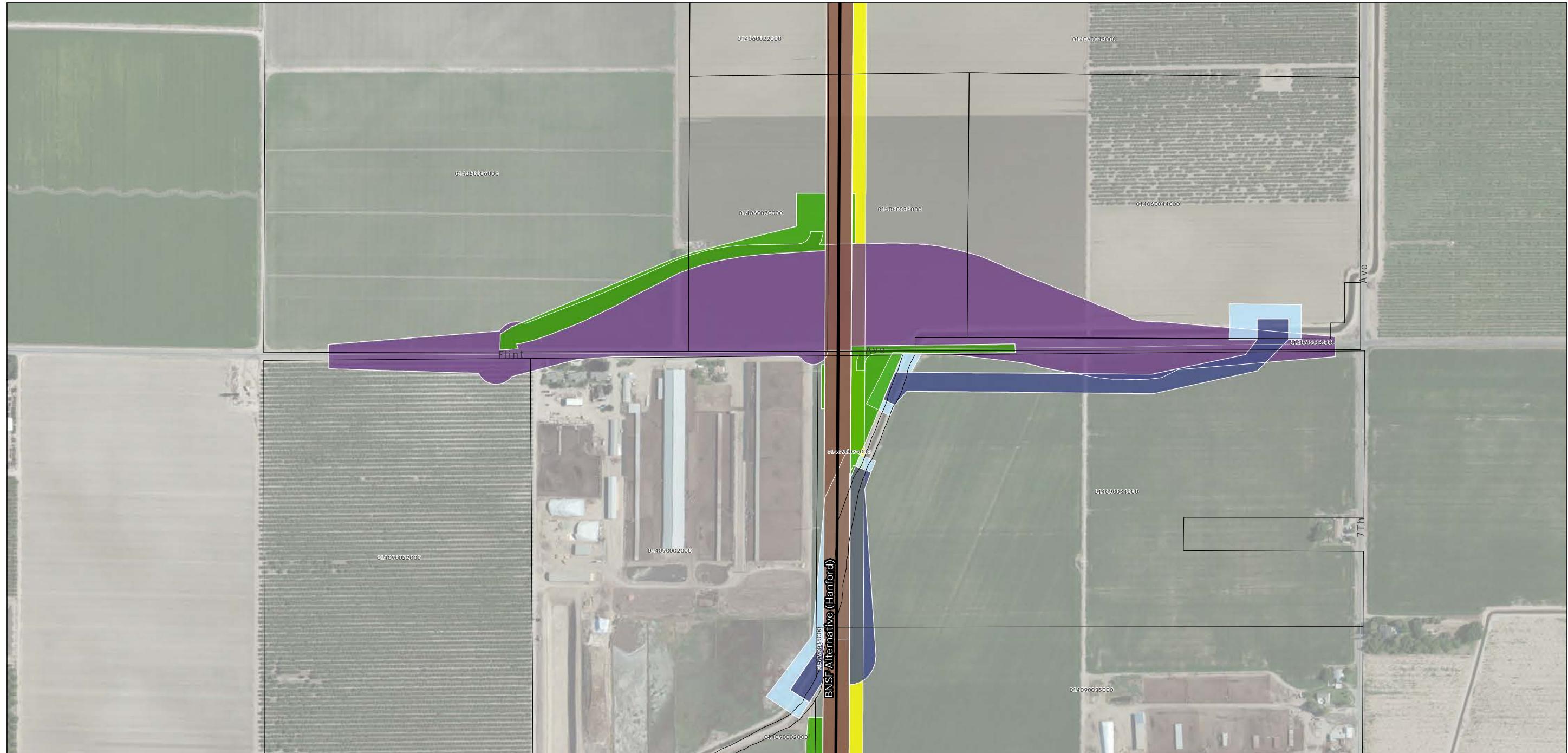


Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

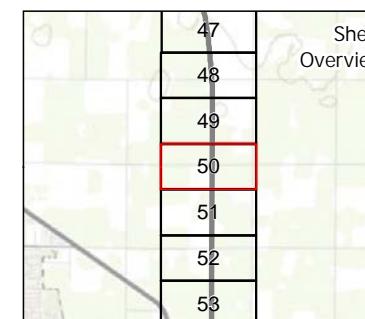
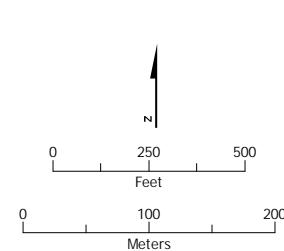




Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



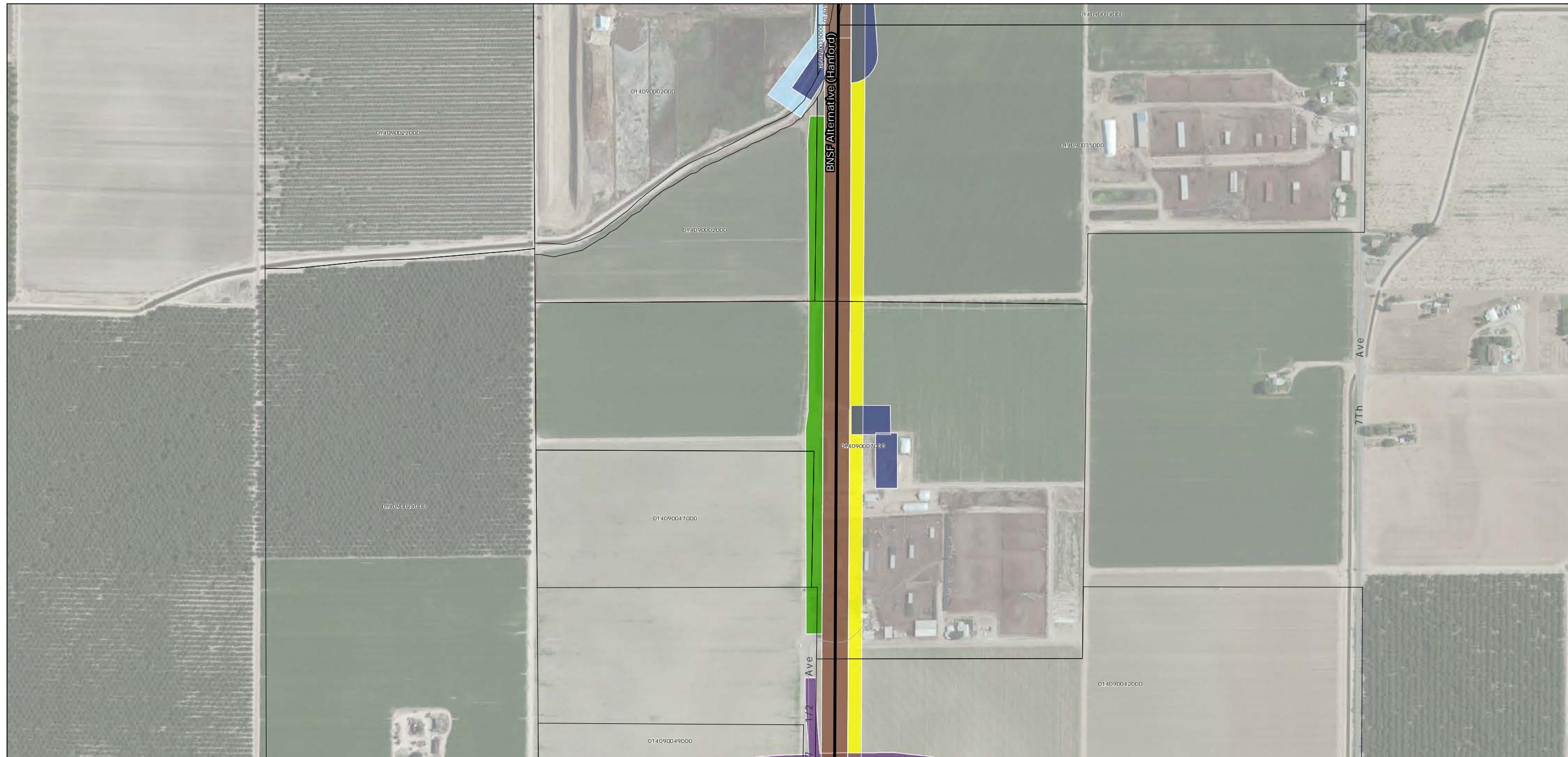
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

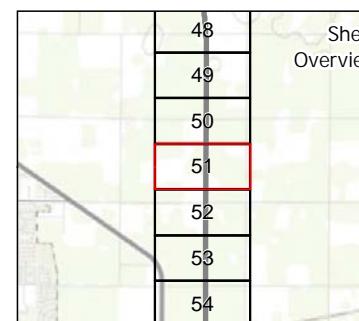
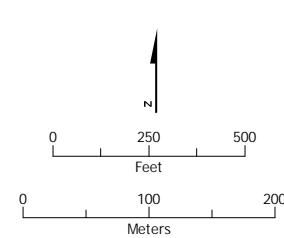
Page 50 of 558
BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

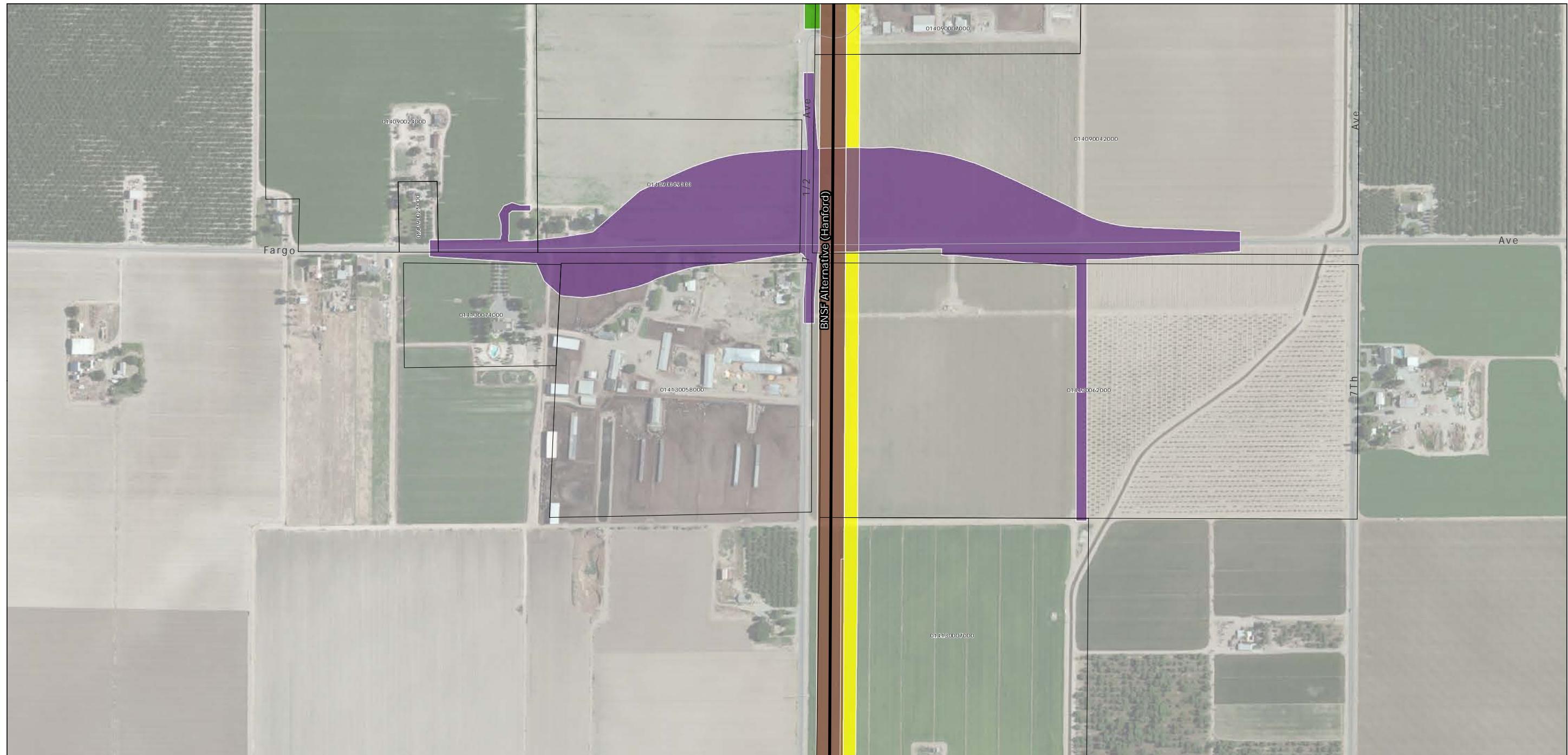


- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- | Project footprint by category type | |
|------------------------------------|---|
| Construction area | Temporary |
| Roadway | Relocation of natural gas, petroleum, transmission, or water line |
| Station | Permanent (underpass/overpass, access road) |
| Temporary | Temporary (remove base and surfacing, construction easement) |

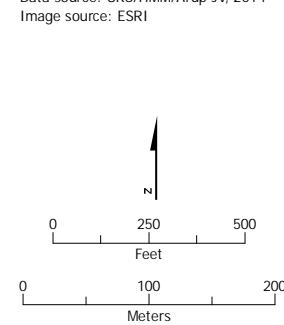
- | Utilities | |
|-----------|--|
| Temporary | Temporary (construction easement) |
| Systems | Permanent (interlocking site, radio site, traction power facility) |
| Track | Temporary (construction easement) |

- | Hydrology | |
|-----------|---|
| Permanent | Permanent (canal relocation, drainage basin) |
| Temporary | Temporary (construction easement) |
| Track | Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary | Temporary (construction easement) |



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



	Alternative alignments
	Parcel (APN displayed)
	Heavy maintenance facility
	Station
	Project footprint by category type
	Construction area
	Temporary
	Roadway
	Permanent (underpass/overpass, access road)
	Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

Parcel (APN displayed)

Heavy maintenance facility

Station

Alternative alignments

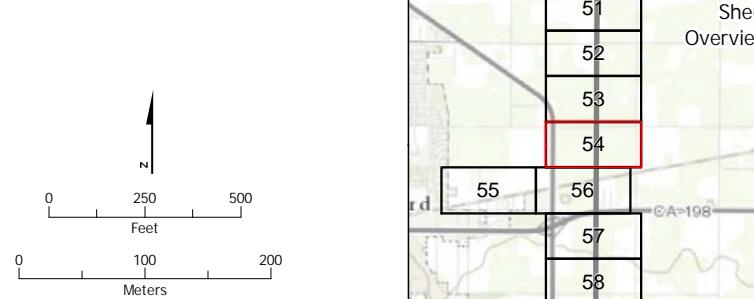
Construction area

Roadway

Temporary



Sheet Overview



Project footprint by category type

- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

Construction area

Roadway

Temporary

Permanent

Underpass/overpass, access road

Temporary

(remove base and surfacing, construction easement)

Utilities

Temporary

(Relocation of natural gas, petroleum, transmission, or water line)

Systems

Permanent

(interlocking site, radio site, traction power facility)

Temporary

(construction easement)

Hydrology

Permanent

(canal relocation, drainage basin)

Temporary

(construction easement)

Track

Permanent

(access road, freight rail relocation, HST tracks, maintenance of infrastructure)

Temporary

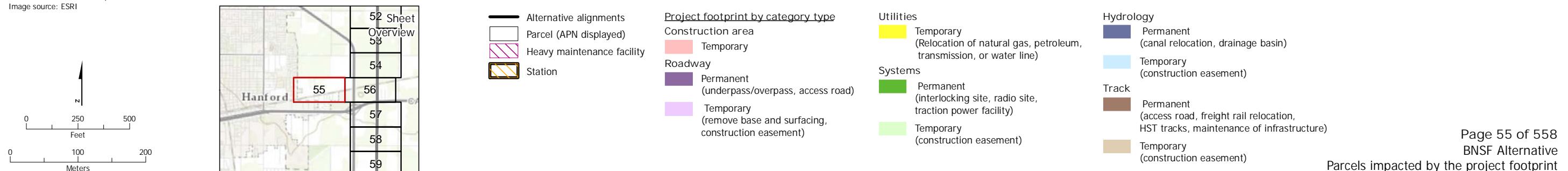
(construction easement)



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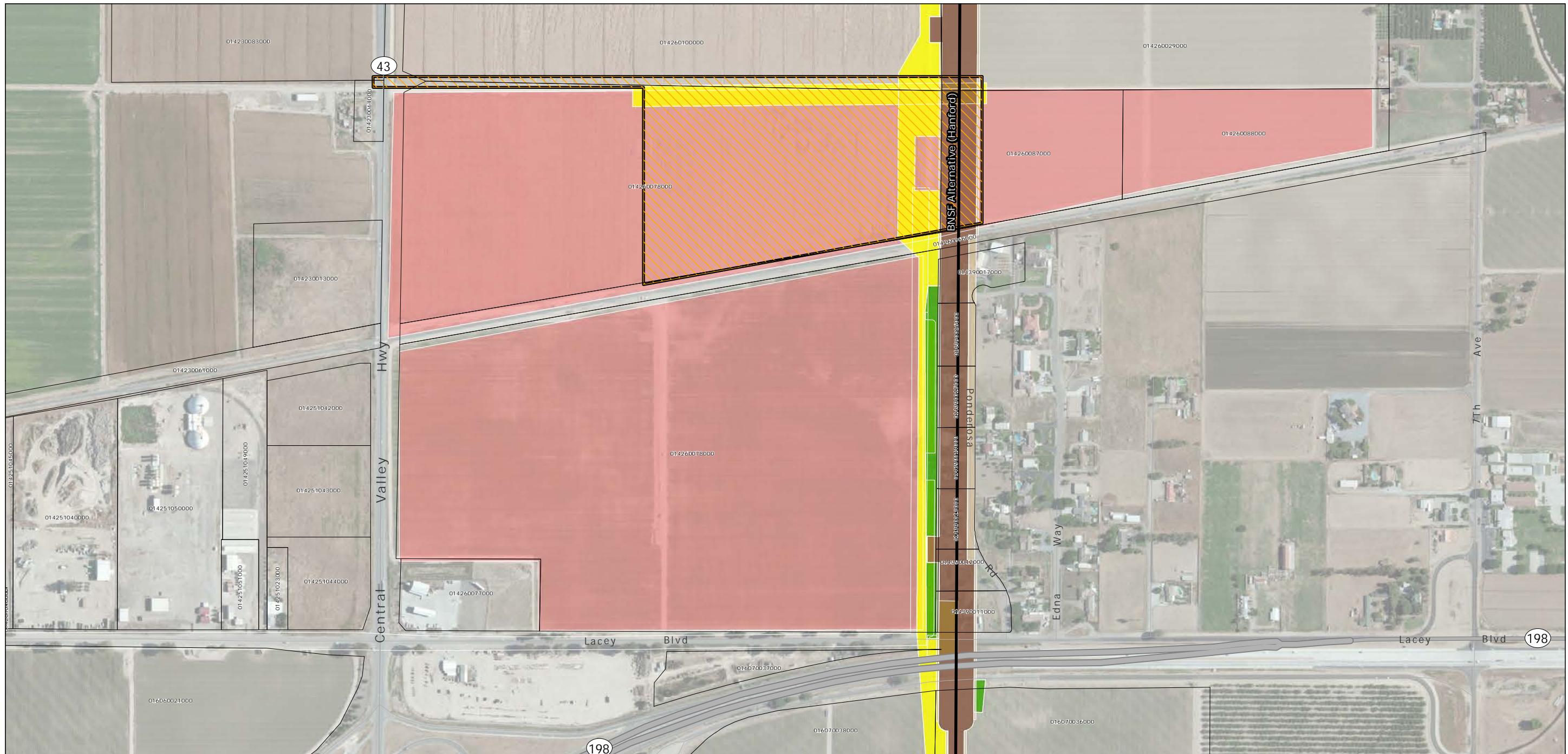
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BNSF Alternative

Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014
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March 19, 2014

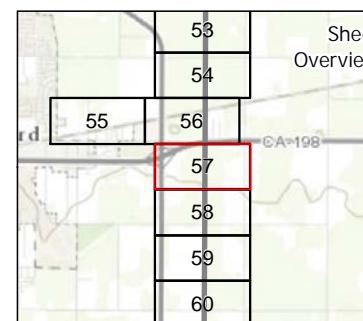
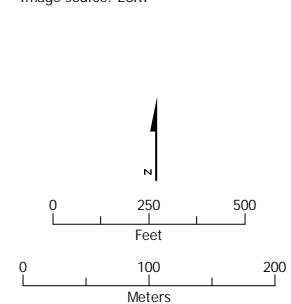
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March 19, 2014

Image source: ESRI



Sheet Overview



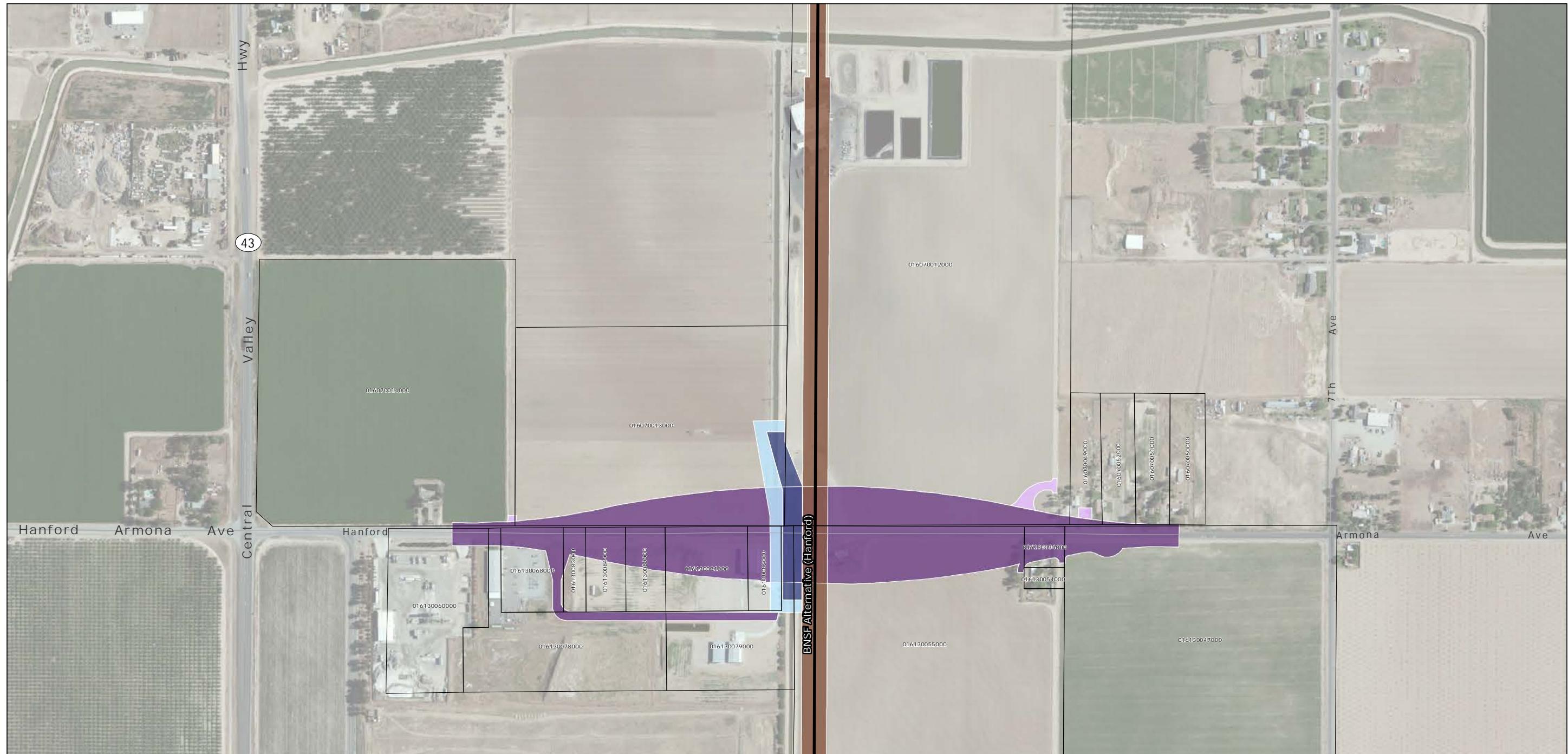
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

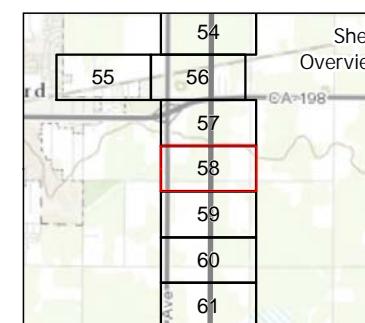
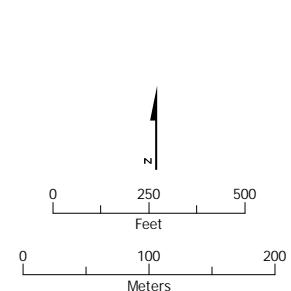
Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Sheet Overview



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014

Sheet Overview

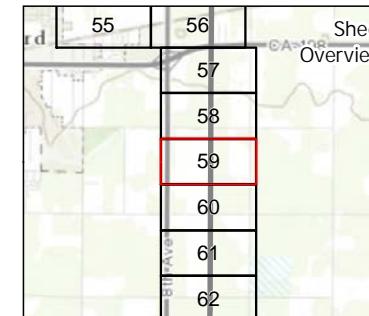
rd 55 56 57 58 59 60 61 62

0 250 500

Feet

0 100 200

Meters

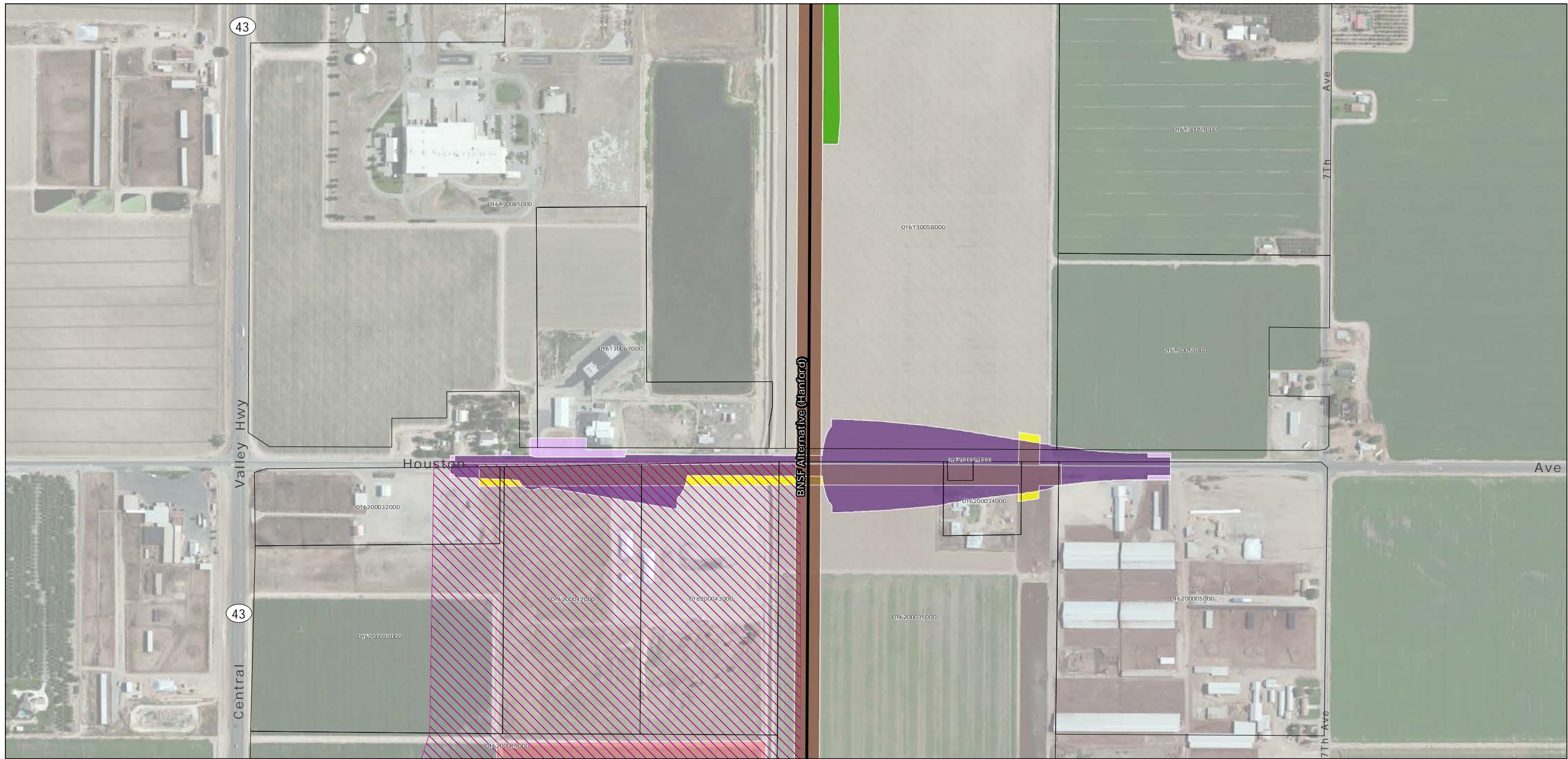


- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- | Project footprint by category type | |
|------------------------------------|---|
| Construction area | Temporary |
| Roadway | Relocation of natural gas, petroleum, transmission, or water line |
| Station | Permanent (underpass/overpass, access road) |
| Temporary | Temporary (remove base and surfacing, construction easement) |

- | Utilities | |
|-----------|--|
| Temporary | Temporary (construction easement) |
| Permanent | Permanent (interlocking site, radio site, traction power facility) |
| Temporary | Temporary (construction easement) |

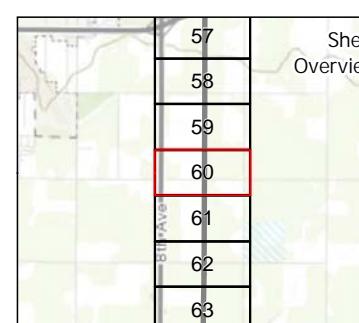
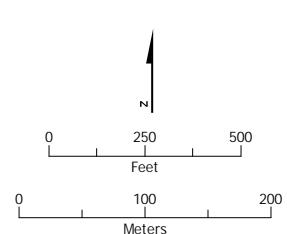
- | Hydrology | |
|-----------|---|
| Permanent | Permanent (canal relocation, drainage basin) |
| Temporary | Temporary (construction easement) |
| Track | Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary | Temporary (construction easement) |



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



	Alternative alignments	Parcel (APN displayed)	Heavy maintenance facility	Station	Construction area	Temporary	Roadway	Permanent	Temporary (remove base and surfacing, construction easement)
57									
58									
59									
60									
61									
62									
63									

	Utilities	Systems	Hydrology
	Temporary (Relocation of natural gas, petroleum, transmission, or water line)	Permanent (interlocking site, radio site, traction power facility)	Permanent (canal relocation, drainage basin)
		Temporary (construction easement)	Temporary (construction easement)

	Track
	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)



Data source: URS/HMM/Arup JV, 2014

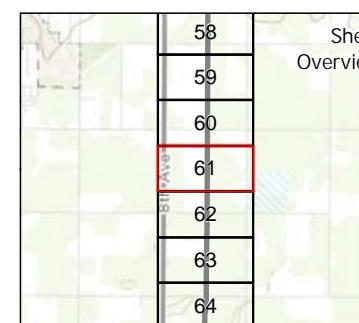
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March 19, 2014

Parcel (APN displayed)

Heavy maintenance facility

Station



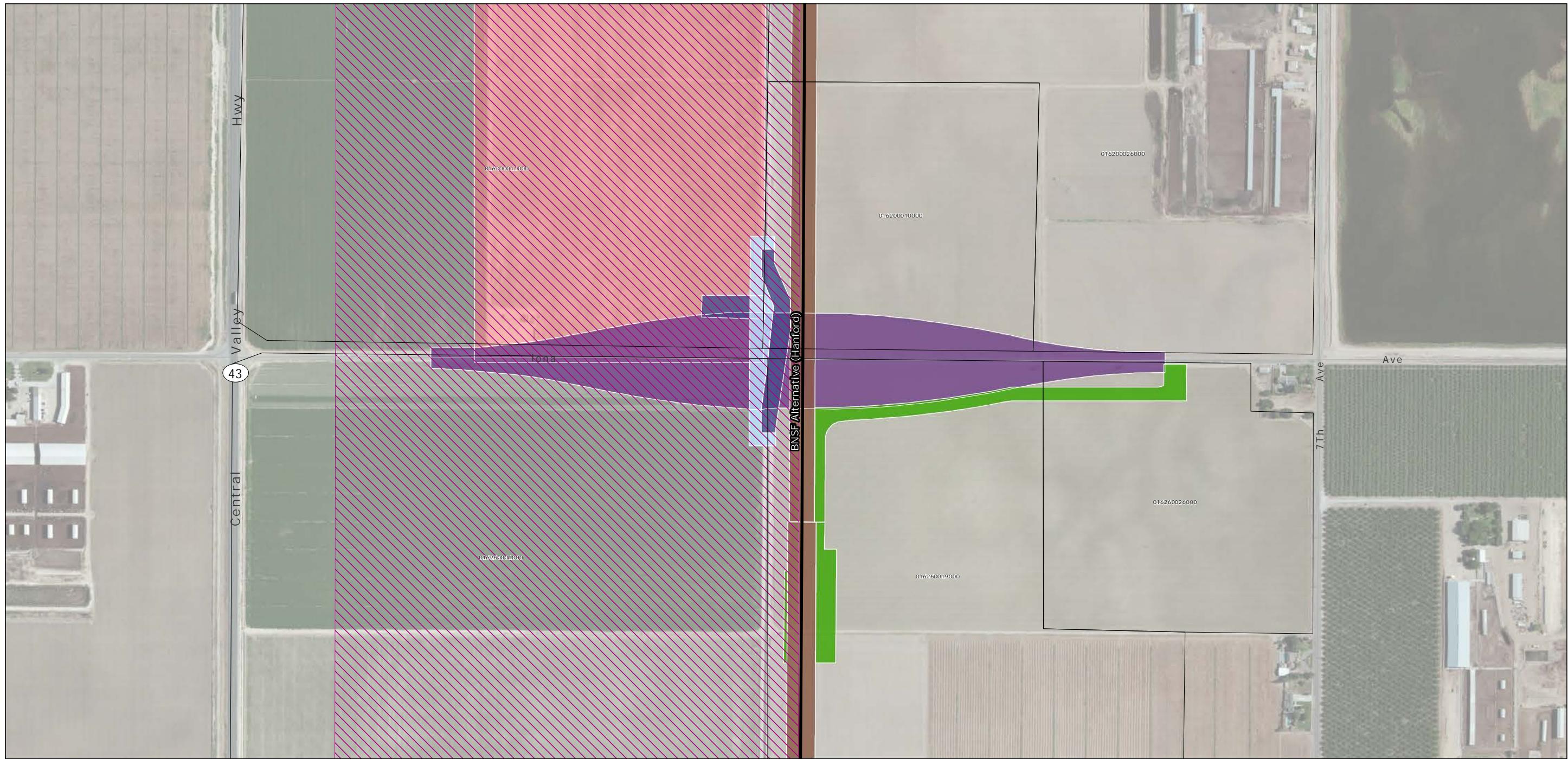
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

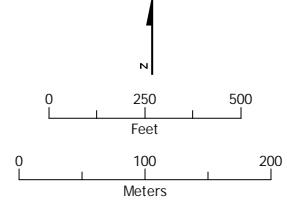
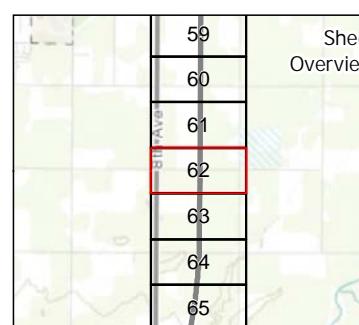
Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station



- Alternative alignments
- Parcel (APN displayed)
- ▨ Heavy maintenance facility
- ▣ Station

- Project footprint by category type**
- Construction area
 - Temporary
 - Roadway
 - Permanent (underpass/overpass, access road)
 - Temporary (remove base and surfacing, construction easement)

- Utilities**
- Yellow Temporary (Relocation of natural gas, petroleum, transmission, or water line)
- Systems**
- Green Permanent (interlocking site, radio site, traction power facility)
 - Light Green Temporary (construction easement)

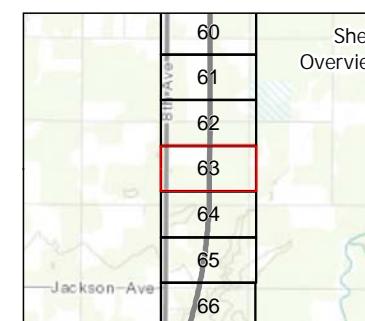
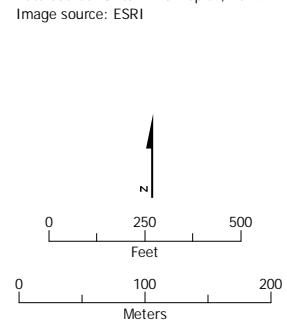
- Hydrology**
- Dark Blue Permanent (canal relocation, drainage basin)
 - Cyan Temporary (construction easement)
- Track**
- Brown Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
 - Tan Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ES

March 19, 2014



- Alternative alignments
-  Parcel (APN displayed)
-  Heavy maintenance faci
-  Station

- Project footprint by category type
- Construction area
 - Temporary
- Roadway
 - Permanent
(underpass/overpass, access road)
 - Temporary
(remove base and surfacing,
construction easement)

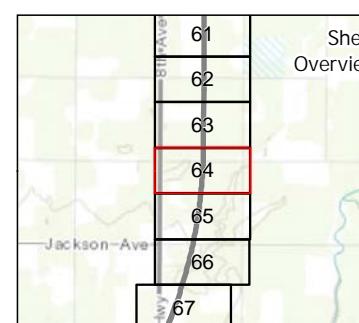
- Utilities
 - Temporary
(Relocation of natural gas, petroleum transmission, or water line)
- Systems
 - Permanent
(interlocking site, radio site, traction power facility)
 - Temporary
(construction easement)

Hydrology	
	Permanent (canal relocation, drainage basin)
	Temporary (construction easement)
Track	
	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
	Temporary (construction easement)

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BNSF Alternative
the project footprint



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station



Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)	Temporary (construction easement)

Utilities	
Temporary (construction easement)	Temporary (construction easement)
Systems	
Permanent (interlocking site, radio site, traction power facility)	Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)	Temporary (construction easement)

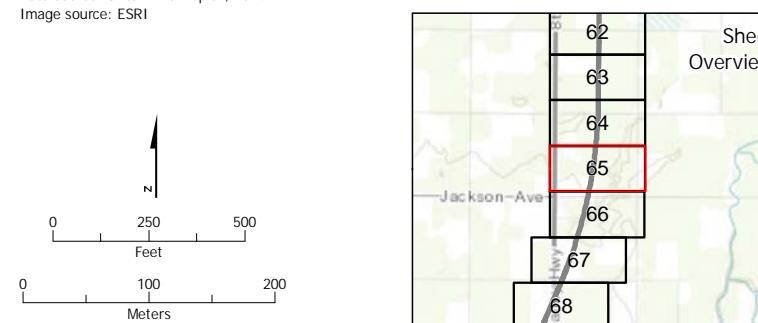
Hydrology	
Permanent (canal relocation, drainage basin)	Permanent (canal relocation, drainage basin)
Temporary (construction easement)	Temporary (construction easement)
Track	Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)	Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ES

March 19, 2014



- Alternative alignments
-  Parcel (APN displayed)
-  Heavy maintenance faci
-  Station

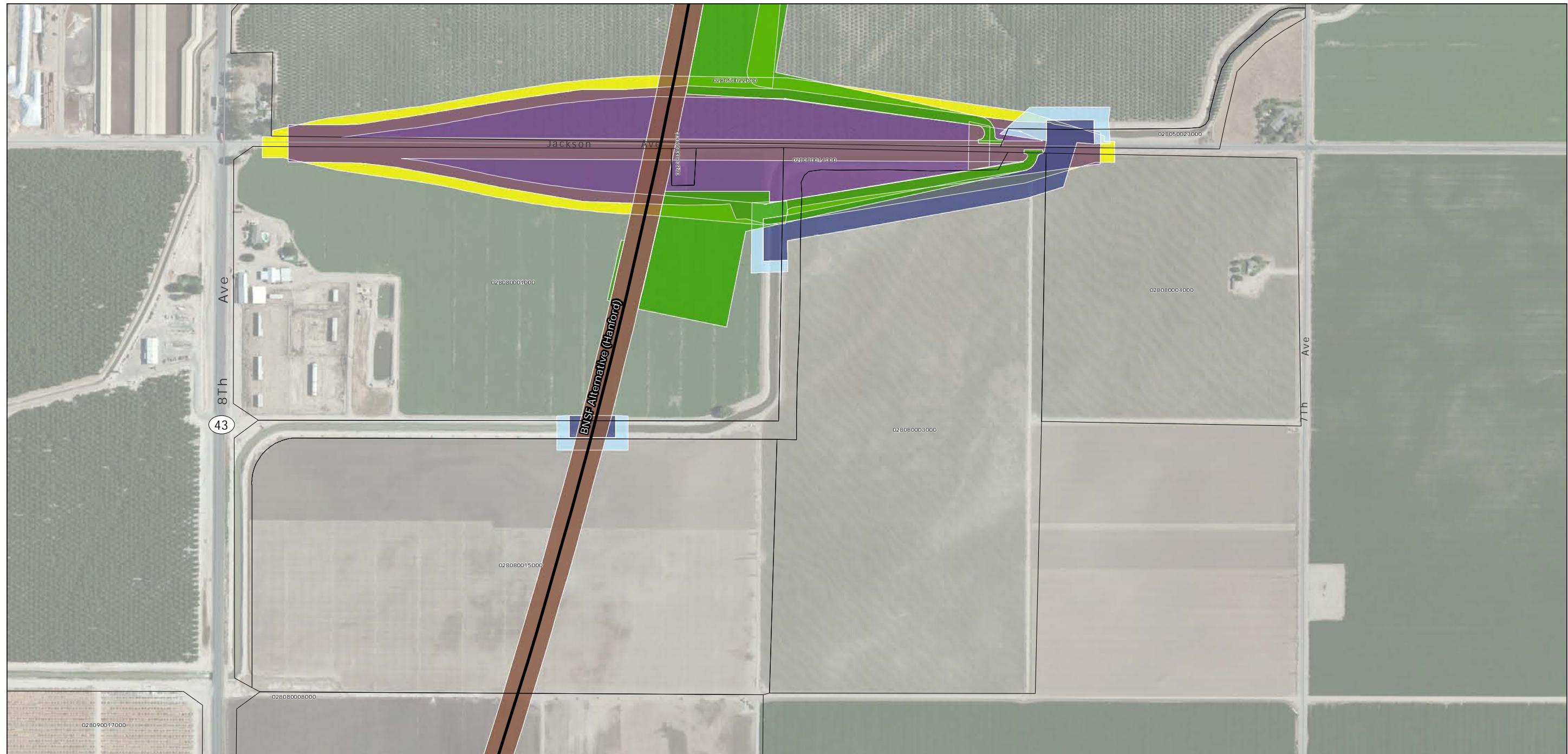
Project footprint by category type

- Construction area
 -  Temporary
- Roadway
 -  Permanent
(underpass/overpass, access roads)
 -  Temporary
(remove base and surfacing, construction easement)

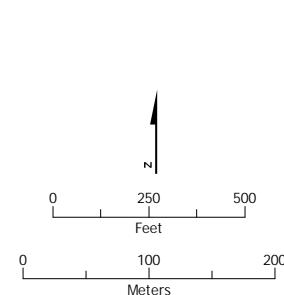
- Utilities
 - Temporary
(Relocation of natural gas, petroleum transmission, or water line)
- Systems
 - Permanent
(interlocking site, radio site, traction power facility)
 - Temporary
(construction easement)

Hydrology	
Permanent (canal relocation, drainage basin)	
Temporary (construction easement)	
Track	
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)	
Temporary (construction easement)	

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BNSF Alternative
Parcels impacted by the project footprint



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station



Construction area
Temporary
Roadway
Permanent
(underpass/overpass, access road)

Project footprint by category type

Temporary
(remove base and surfacing, construction easement)

Utilities

- Temporary (Relocation of natural gas, petroleum, transmission, or water line)

Systems

- Permanent (interlocking site, radio site, traction power facility)
- Temporary (construction easement)

Hydrology

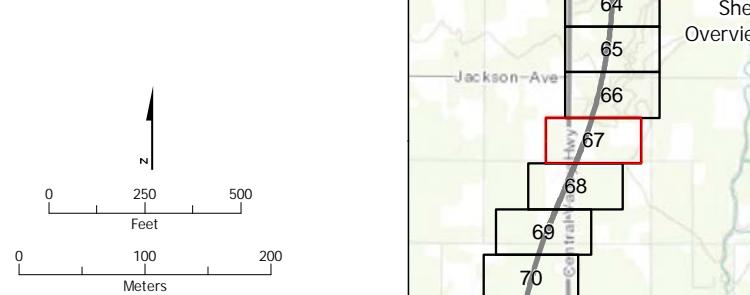
- Permanent (canal relocation, drainage basin)
- Temporary (construction easement)

Track

- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
- Temporary (construction easement)



Sheet Overview



- Alternative alignments
- Parcel (APN displayed)
- ▨ Heavy maintenance facility
- Station

- Project footprint by category type**
- Construction area
 - Roadway
 - Temporary
 - Permanent
 - (underpass/overpass, access road)
 - Temporary
 - (remove base and surfacing, construction easement)

- Utilities**
- Temporary (Relocation of natural gas, petroleum, transmission, or water line)
- Systems**
- Permanent (interlocking site, radio site, traction power facility)
 - Temporary (construction easement)

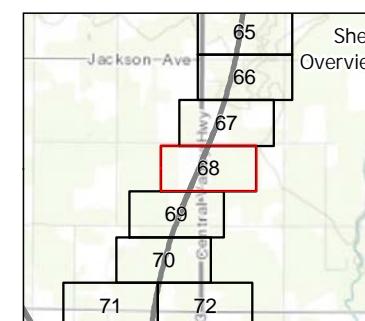
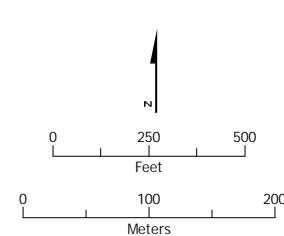
- Hydrology**
- Permanent (canal relocation, drainage basin)
 - Temporary (construction easement)
- Track**
- Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
 - Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

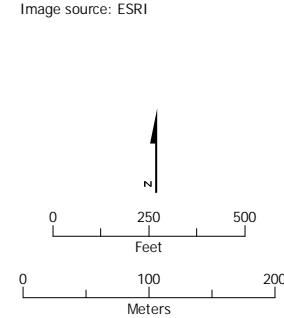
- Project footprint by category type**
- | | |
|--|---|
| Construction area | Utilities |
| Temporary | Temporary (Relocation of natural gas, petroleum, transmission, or water line) |
| Roadway | Systems |
| Permanent (underpass/overpass, access road) | Permanent (interlocking site, radio site, traction power facility) |
| Temporary (remove base and surfacing, construction easement) | Temporary (construction easement) |

- | |
|---|
| Hydrology |
| Permanent (canal relocation, drainage basin) |
| Temporary (construction easement) |
| Track |
| Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary (construction easement) |



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



Alternative alignments		Project footprint by category type		Utilities		Hydrology	
Parcel (APN displayed)		Construction area		Temporary (Relocation of natural gas, petroleum, transmission, or water line)		Permanent (canal relocation, drainage basin)	
Heavy maintenance facility		Roadway		Temporary (construction easement)		Temporary (construction easement)	
Station		Permanent (underpass/overpass, access road)		Systems		Permanent (interlocking site, radio site, traction power facility)	
		Temporary (remove base and surfacing, construction easement)		Temporary (construction easement)		Temporary (construction easement)	

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BNSF Alternative

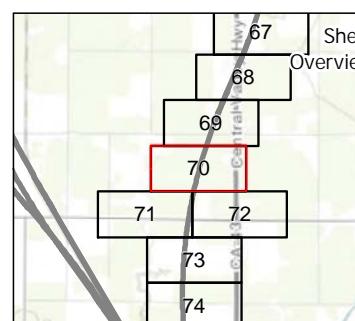
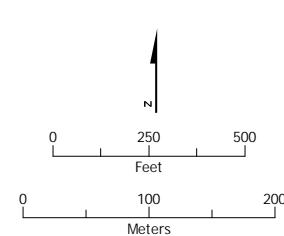
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



— Alternative alignments
■ Parcel (APN displayed)
■ Heavy maintenance facility
■ Station

Project footprint by category type
Construction area
Roadway
Temporary
Permanent
Temporary
Construction easement

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

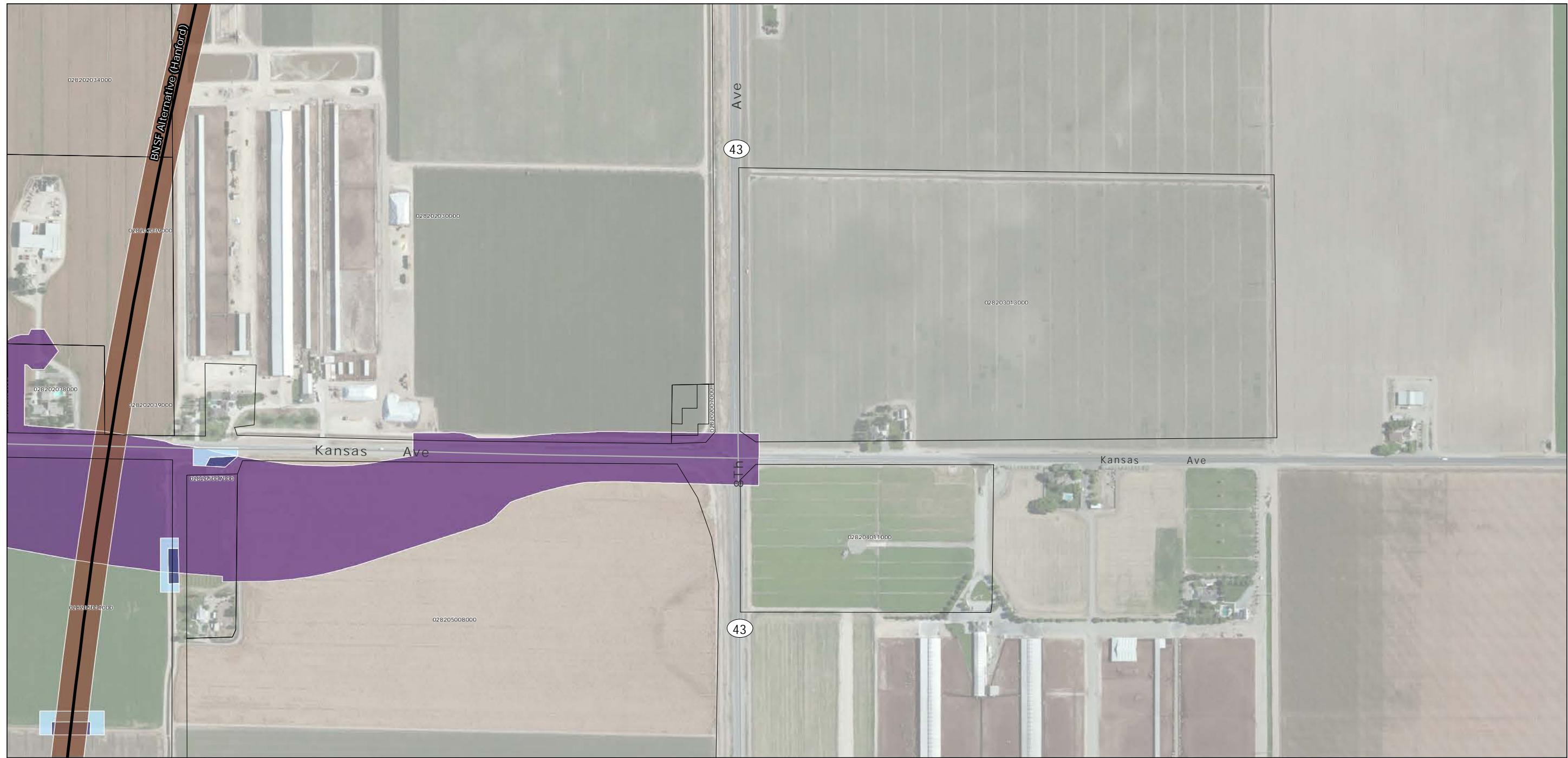
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



68 Sheet
Overview
69 Central
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72
73
74
75

0 250 500
Feet
0 100 200
Meters



Alternative alignments

Parcel (APN displayed)

Heavy maintenance facility

Station

Project footprint by category type

Construction area

Roadway

Temporary

Permanent

(underpass/overpass, access road)

Temporary

(remove base and surfacing,

construction easement)

Utilities

Temporary
(Relocation of natural gas, petroleum, transmission, or water line)

Systems

Permanent
(interlocking site, radio site, traction power facility)

Temporary
(construction easement)

Hydrology

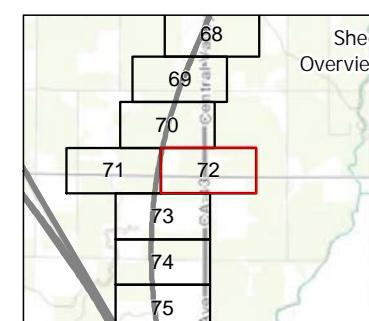
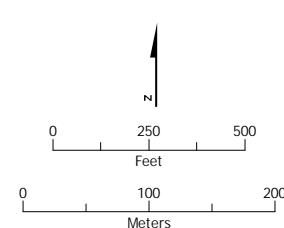
Permanent
(canal relocation, drainage basin)

Temporary
(construction easement)

Track

Permanent
(access road, freight rail relocation, HST tracks, maintenance of infrastructure)

Temporary
(construction easement)





Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014

Project footprint by category type

Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station
Construction area
Roadway
Temporary
Permanent
(underpass/overpass, access road)
Temporary
(remove base and surfacing, construction easement)

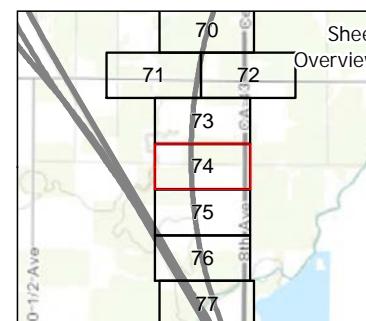
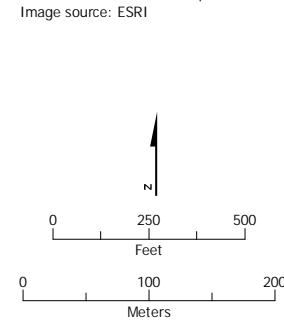
Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



— Alternative alignments
■ Parcel (APN displayed)
■ Heavy maintenance facility
■ Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



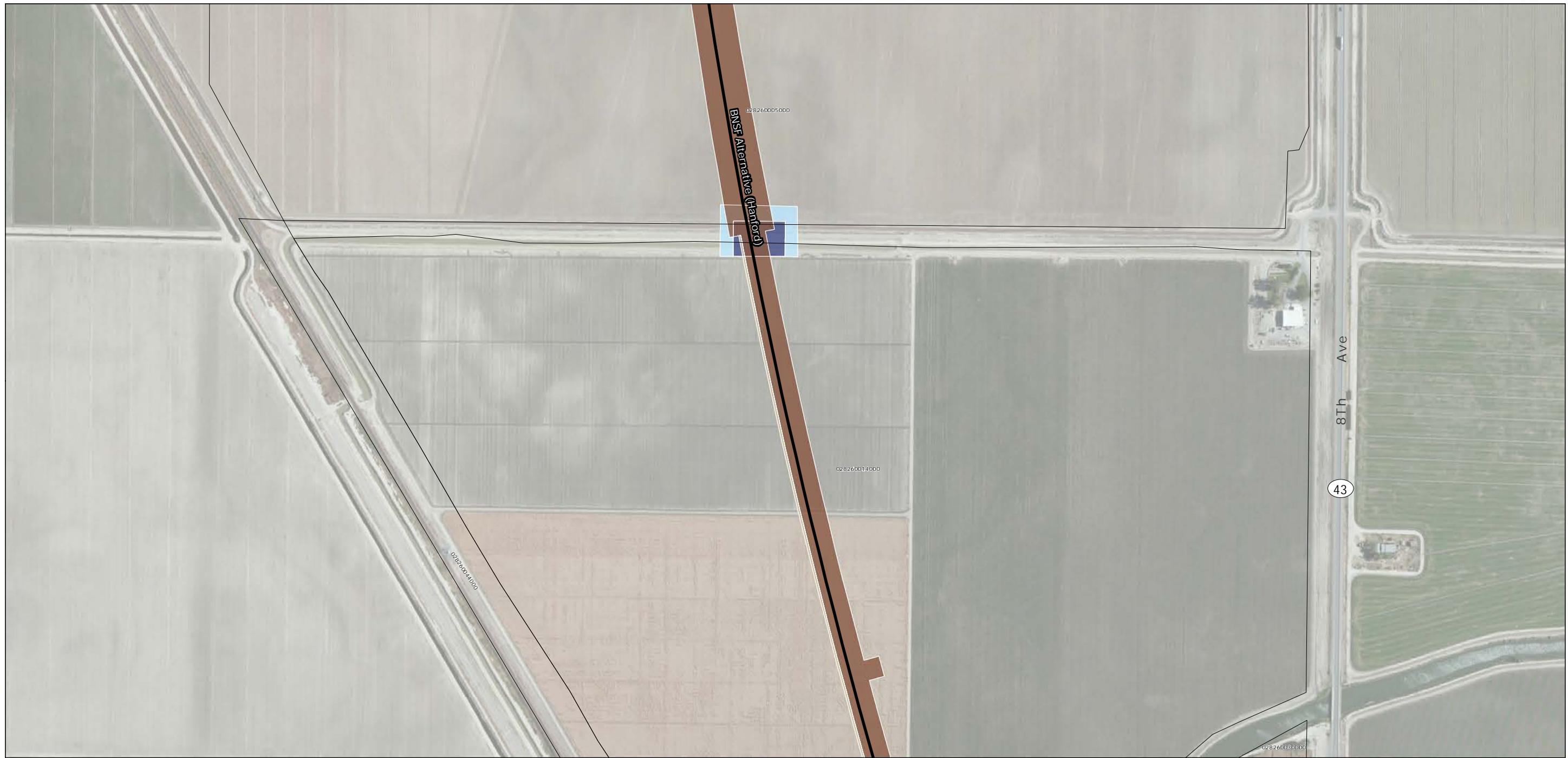
Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



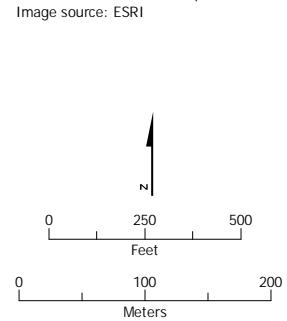
Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Station	Temporary (remove base and surfacing, construction easement)
Utilities	Temporary (construction easement)
Systems	Permanent (interlocking site, radio site, traction power facility)
Track	Temporary (construction easement)
Hydrology	Permanent (canal relocation, drainage basin)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014

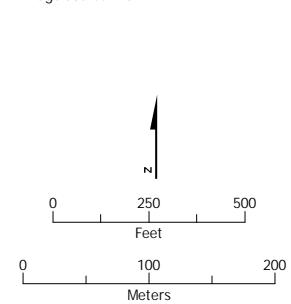


Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Station	Temporary (remove base and surfacing, construction easement)
Utilities	Temporary (construction easement)
Systems	Permanent (interlocking site, radio site, traction power facility)
Track	Temporary (construction easement)
Hydrology	Permanent (canal relocation, drainage basin)

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BNSF Alternative
Parcels impacted by the project footprint



Sheet Overview



Project footprint by category type	
Construction area	
Roadway	
Temporary	
Temporary (remove base and surfacing, construction easement)	
Permanent (underpass/overpass, access road)	

Utilities	
Temporary	(Relocation of natural gas, petroleum, transmission, or water line)

Systems	
Permanent	(interlocking site, radio site, traction power facility)

Hydrology	
Permanent	(canal relocation, drainage basin)
Temporary	(construction easement)

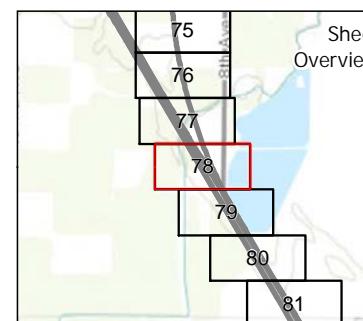
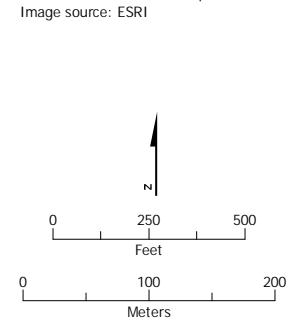
Track	
Permanent	(access road, freight rail relocation, HST tracks, maintenance of infrastructure)



Data source: URS/HMM/Arup JV, 2014

Image source: ES

March 19, 2014



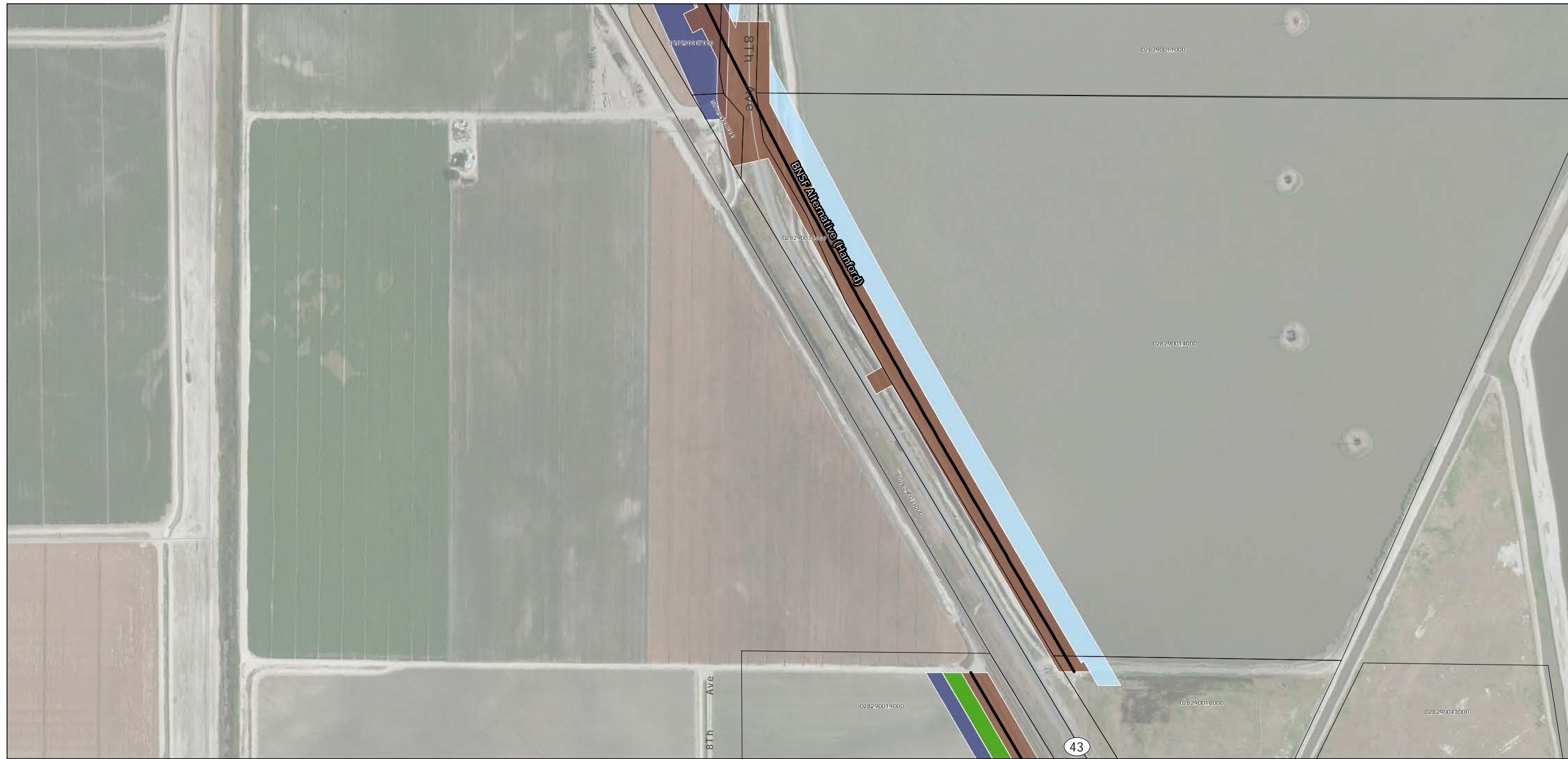
- Alternative alignments
-  Parcel (APN displayed)
-  Heavy maintenance facil
-  Station

- Project footprint by category type
- Construction area
 - Temporary
- Roadway
 - Permanent
(underpass/overpass, access road)
 - Temporary
(remove base and surfacing,
construction easement)

- Utilities
 - Temporary
(Relocation of natural gas, petroleum transmission, or water line)
- Systems
 - Permanent
(interlocking site, radio site, traction power facility)
 - Temporary
(construction easement)

Hydrology	
	Permanent (canal relocation, drainage basin)
	Temporary (construction easement)
Track	
	Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
	Temporary (construction easement)

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BNSF Alternative
e project footprint

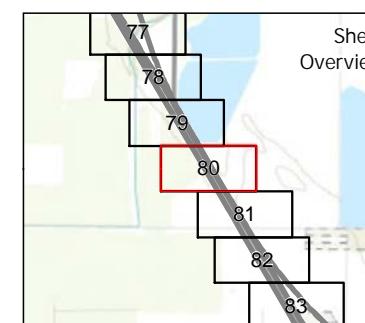
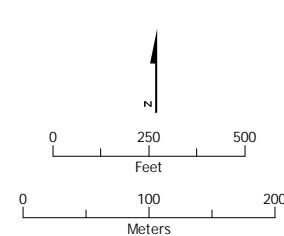




Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



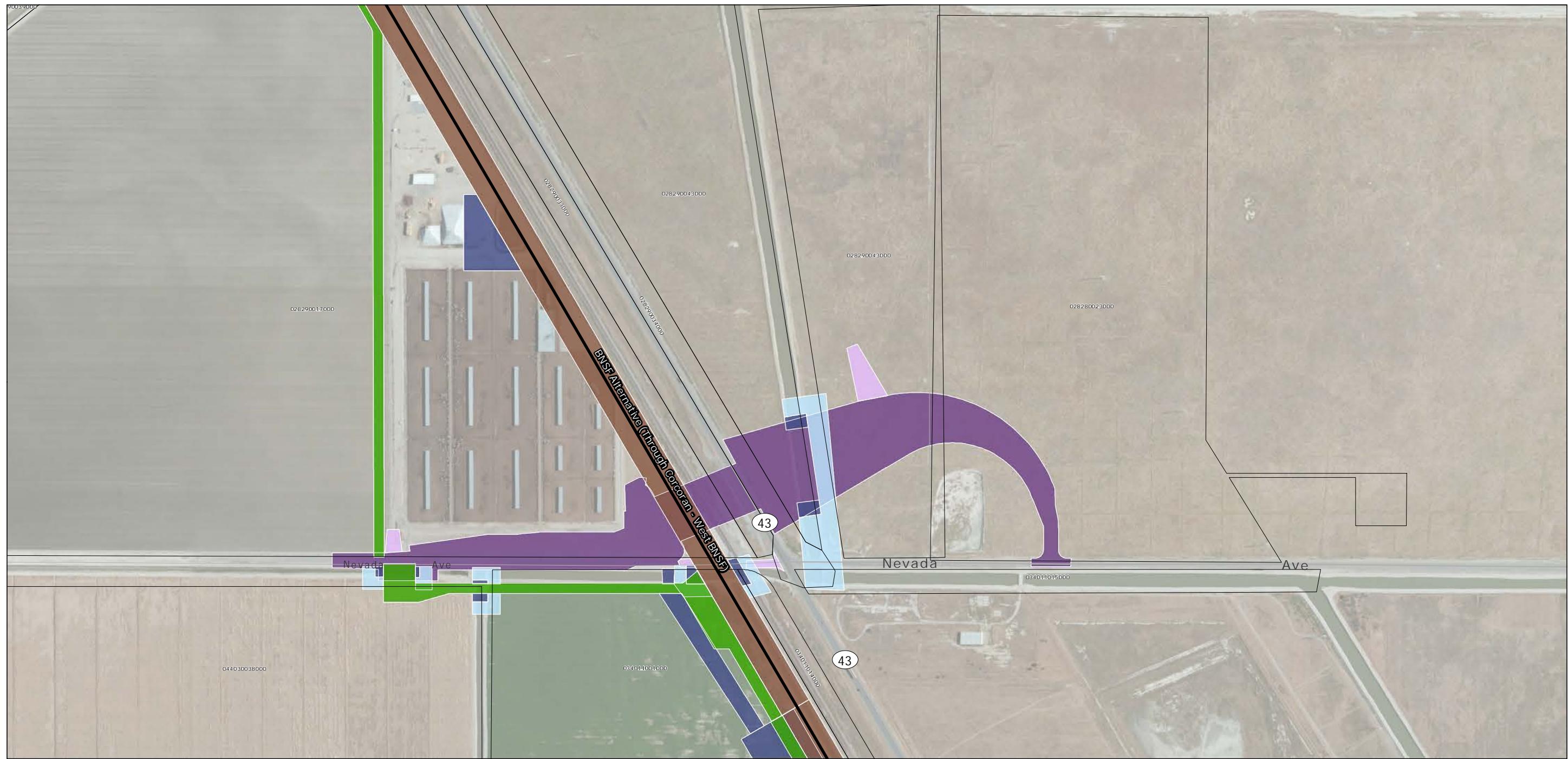
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

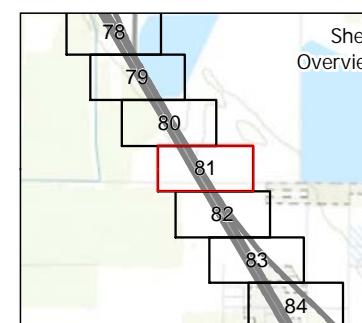
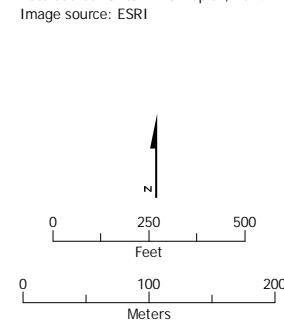
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014

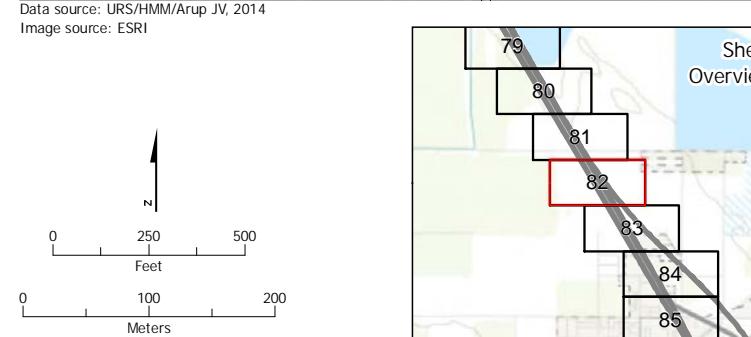
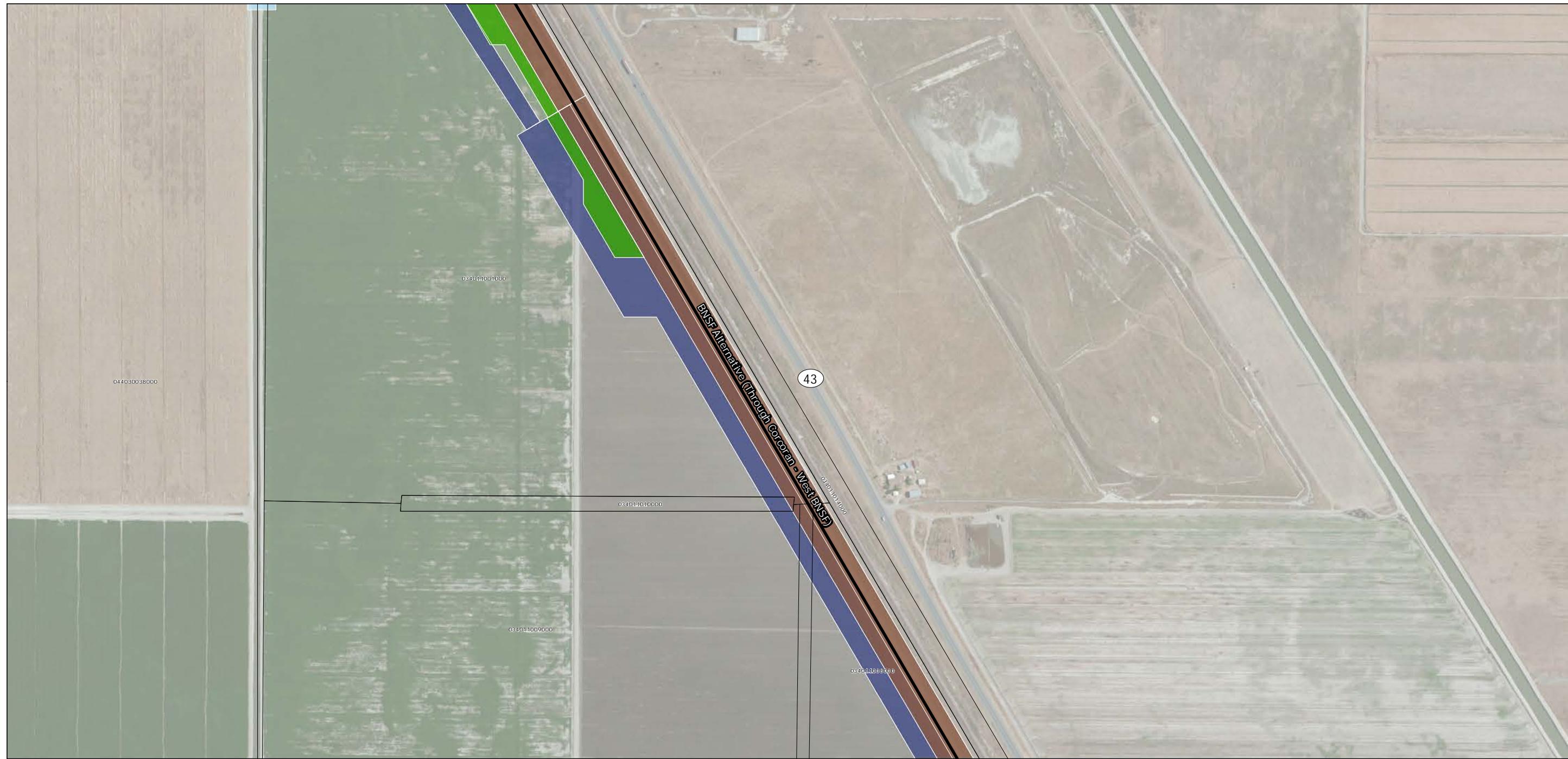


Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Station	Temporary (remove base and surfacing, construction easement)

Utilities	
Temporary	(Relocation of natural gas, petroleum, transmission, or water line)
Systems	
Permanent	(interlocking site, radio site, traction power facility)
Track	
Temporary	(construction easement)

Hydrology	
Permanent	(canal relocation, drainage basin)
Temporary	(construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Station	Temporary (remove base and surfacing, construction easement)

Utilities	
Temporary	(Relocation of natural gas, petroleum, transmission, or water line)
Systems	
Permanent	(interlocking site, radio site, traction power facility)
Temporary	(construction easement)

Hydrology	
Permanent	(canal relocation, drainage basin)
Temporary	(construction easement)
Track	
Permanent	(access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary	(construction easement)

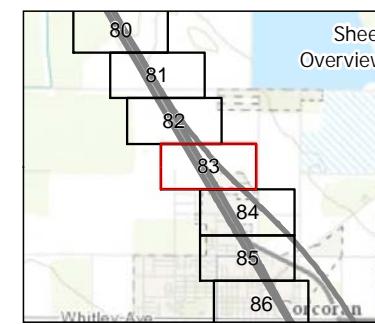
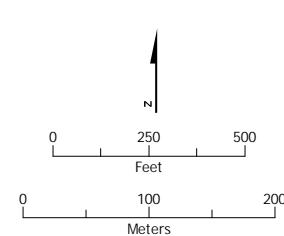
Page 82 of 558
BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



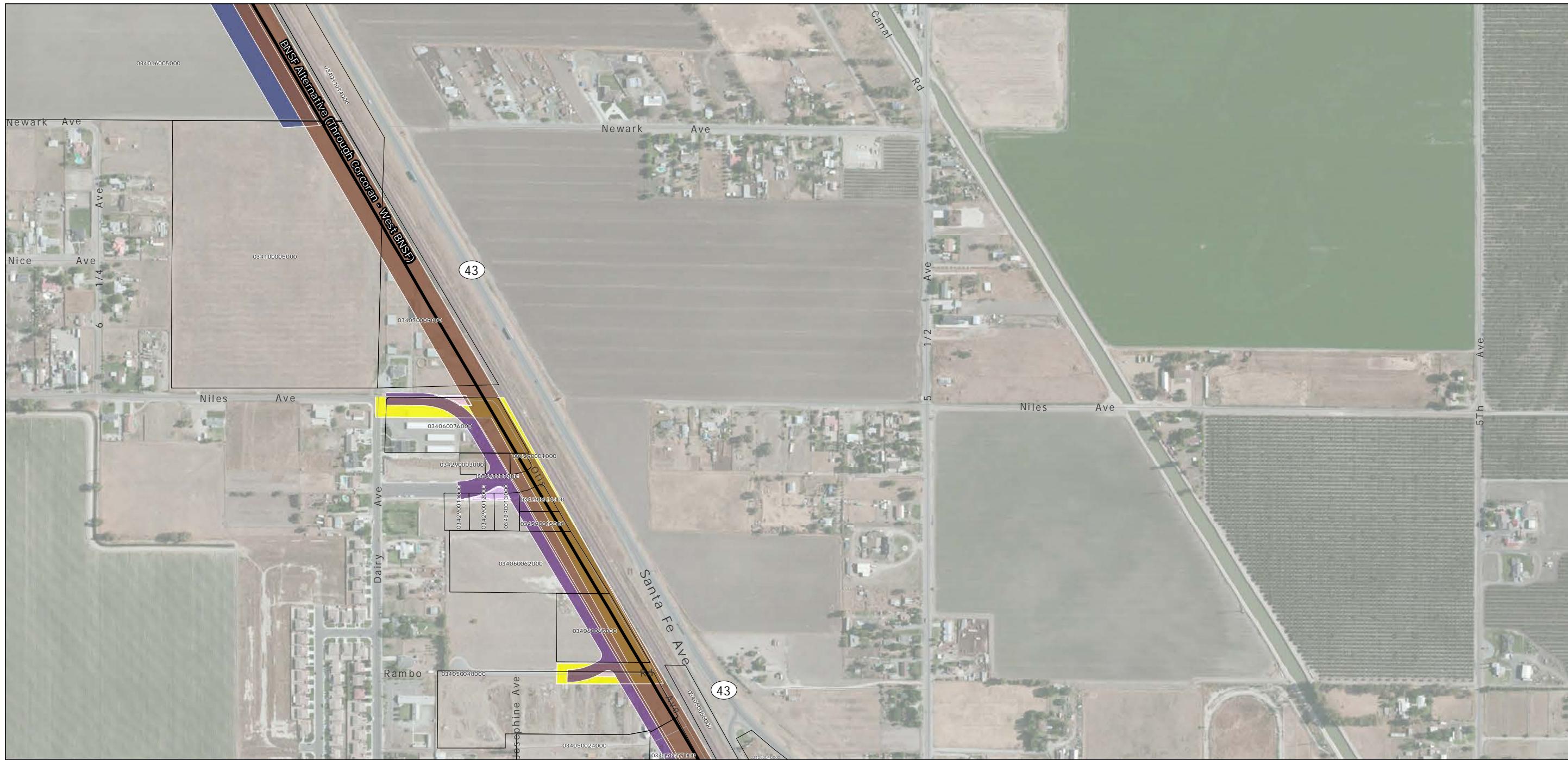
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

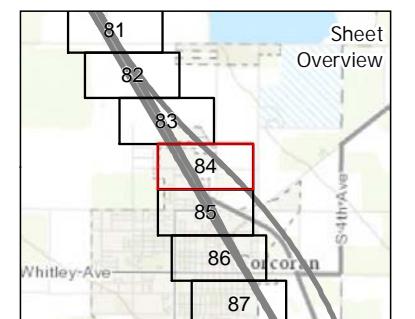
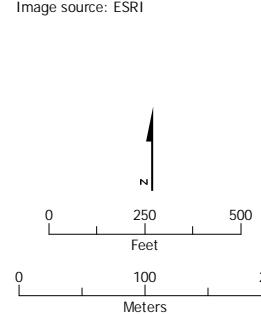
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

March 19, 2014



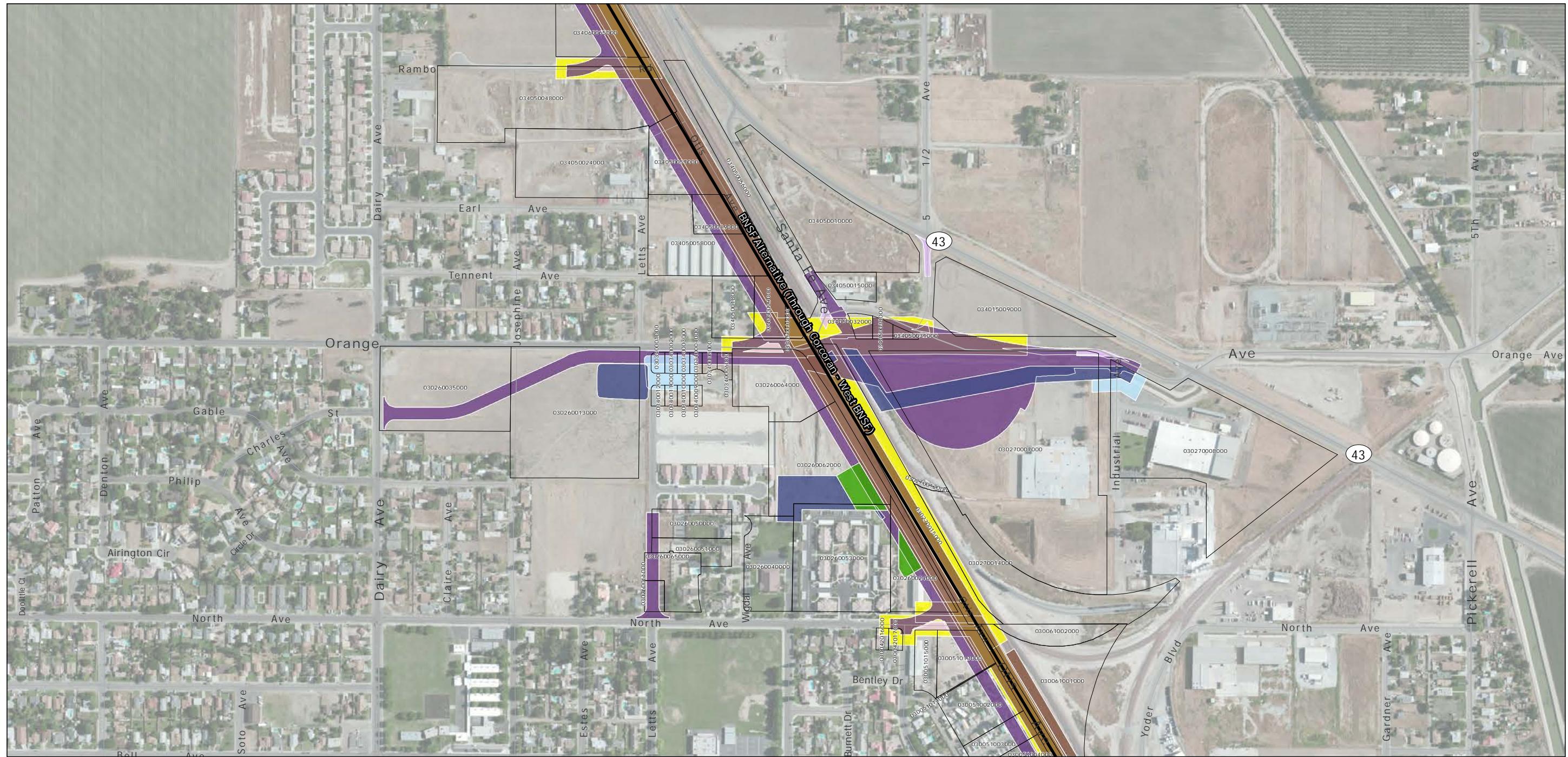
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Roadway
Temporary
Permanent
Temporary
Construction easement

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

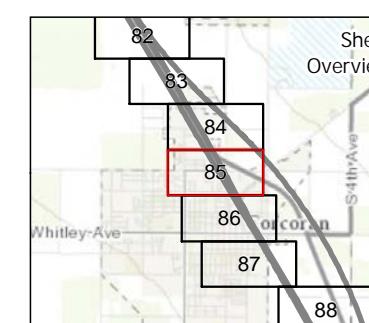
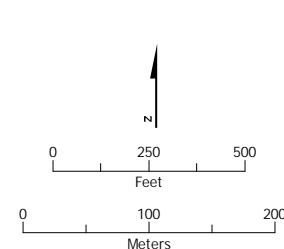
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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

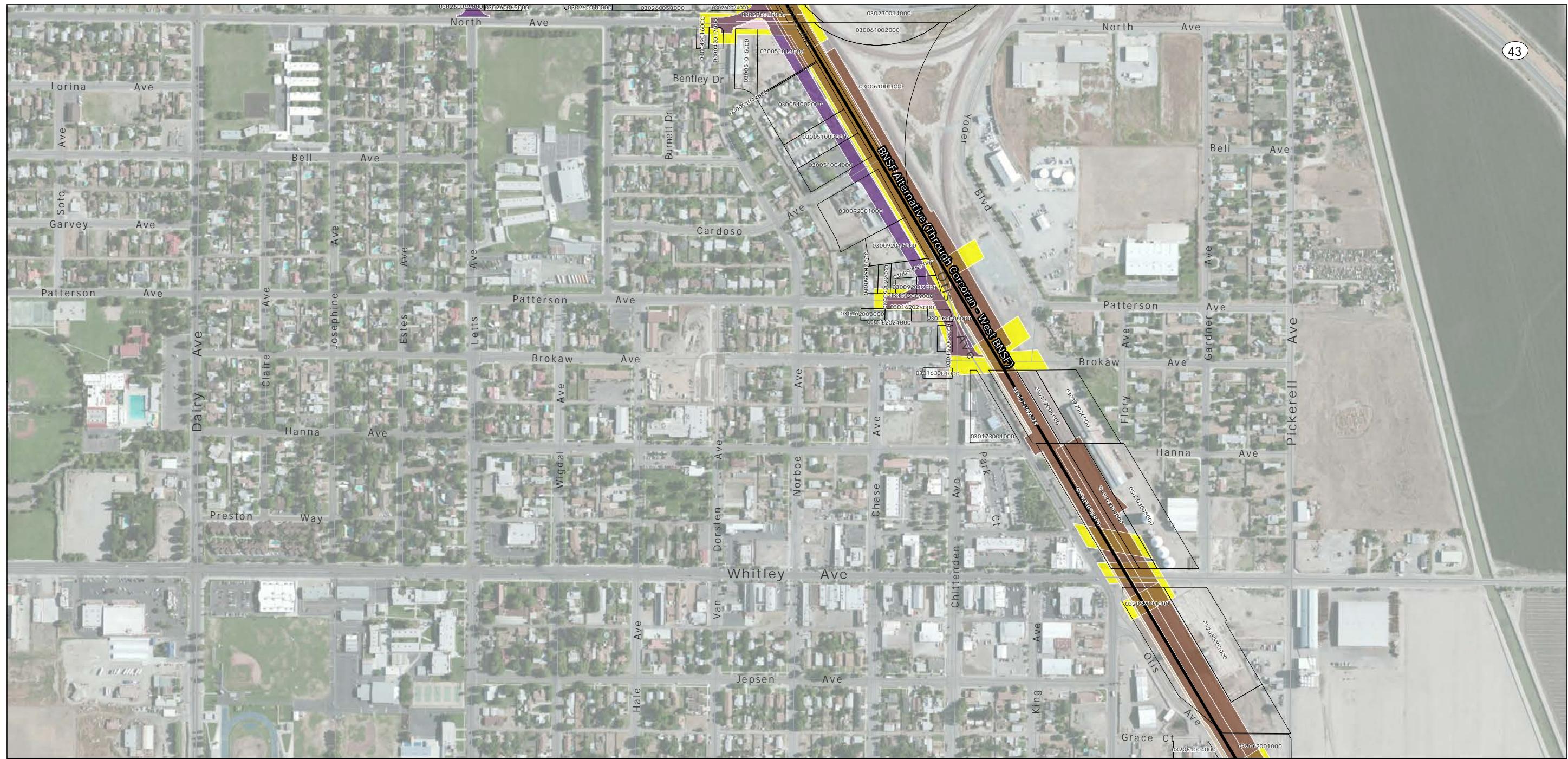
March 19, 2014



- Alternative alignments
- Parcel (APN displayed)
- Heavy maintenance facility
- Station

- Project footprint by category type**
- | | |
|--|---|
| Construction area | Utilities |
| Temporary | Temporary (Relocation of natural gas, petroleum, transmission, or water line) |
| Roadway | Systems |
| Permanent (underpass/overpass, access road) | Permanent (interlocking site, radio site, traction power facility) |
| Temporary (remove base and surfacing, construction easement) | Temporary (construction easement) |

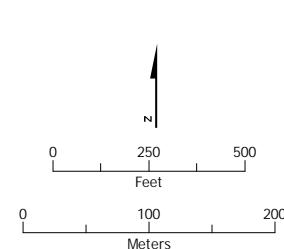
- | |
|---|
| Hydrology |
| Permanent (canal relocation, drainage basin) |
| Temporary (construction easement) |
| Track |
| Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure) |
| Temporary (construction easement) |



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



Alternative alignments	
Parcel (APN displayed)	
Heavy maintenance facility	
Station	

Project footprint by category type

Construction area	Temporary
Roadway	Relocation of natural gas, petroleum, transmission, or water line)
Permanent	(underpass/overpass, access road)
Temporary	(remove base and surfacing, construction easement)

Utilities	
Temporary	(Relocation of natural gas, petroleum, transmission, or water line)
Permanent	(interlocking site, radio site, traction power facility)
Temporary	(construction easement)

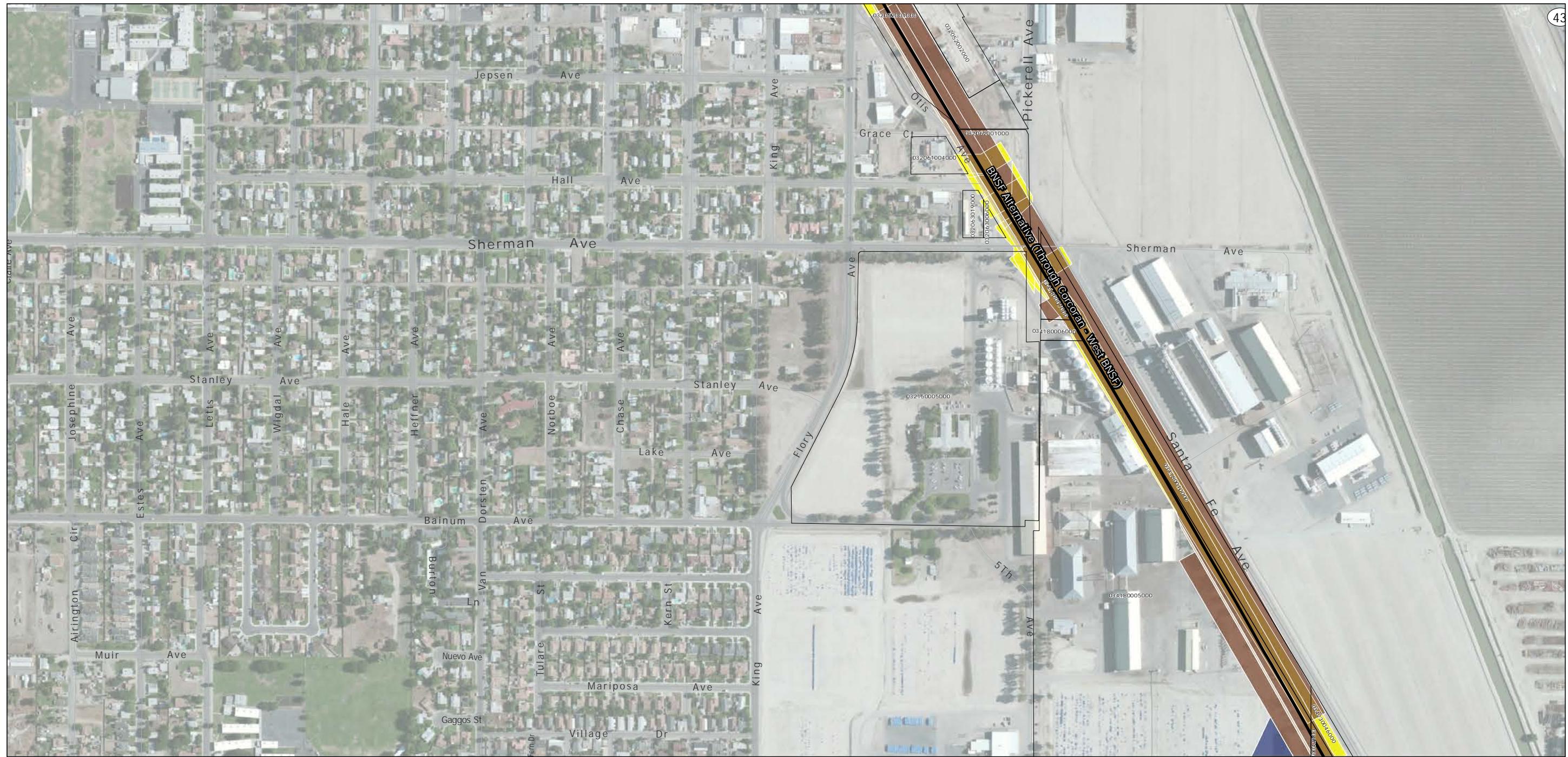
Systems

Permanent	(construction easement)
Temporary	(construction easement)

Hydrology	
Permanent	(canal relocation, drainage basin)
Temporary	(construction easement)

Track

Permanent	(access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary	(construction easement)

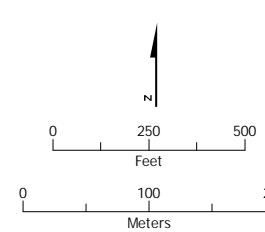
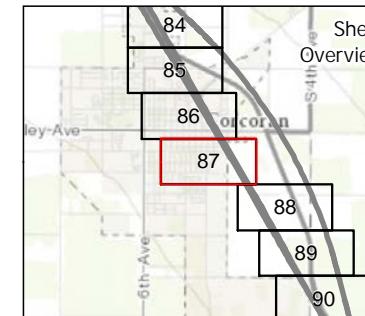


Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

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Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)

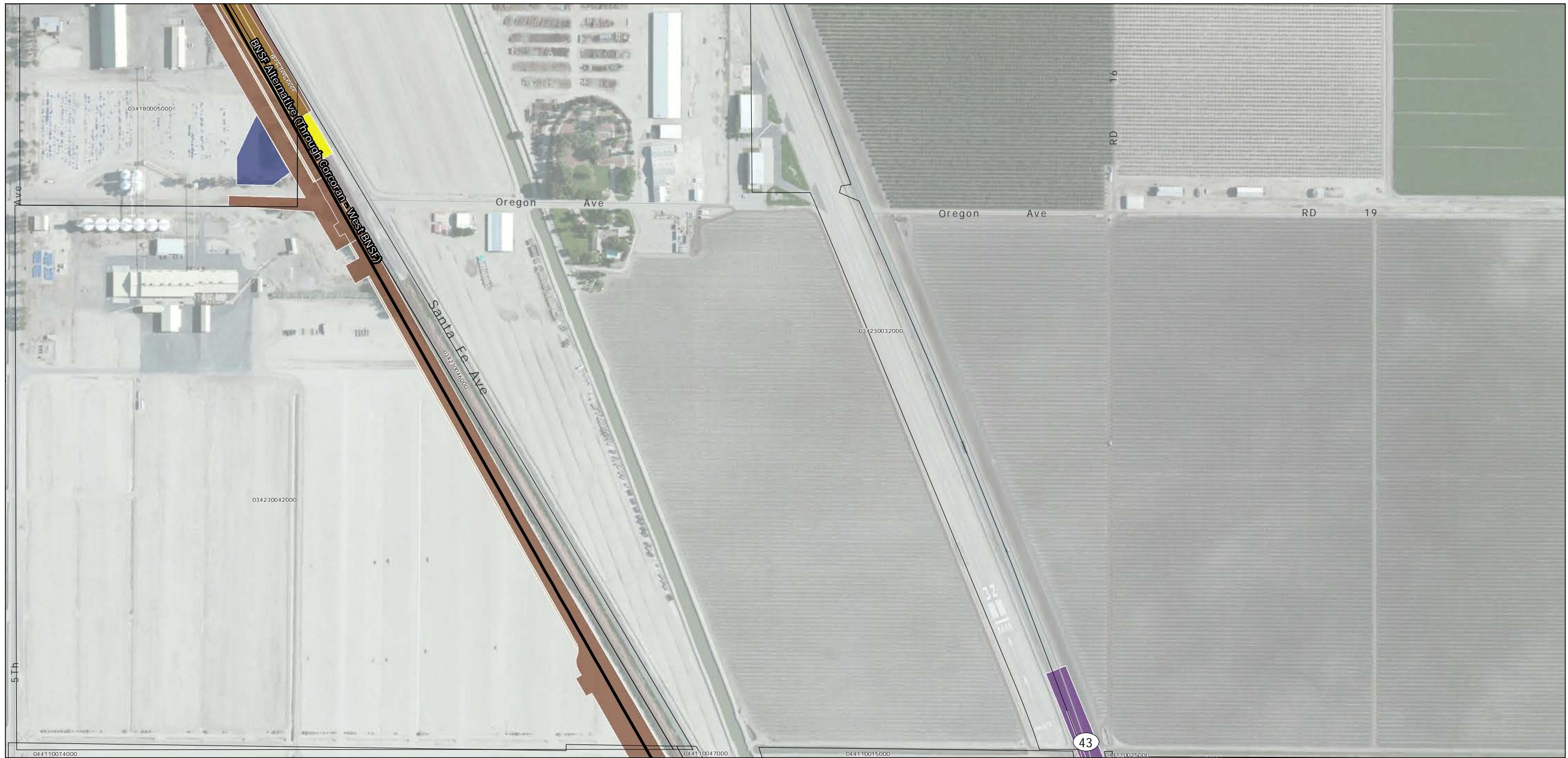
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)

Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

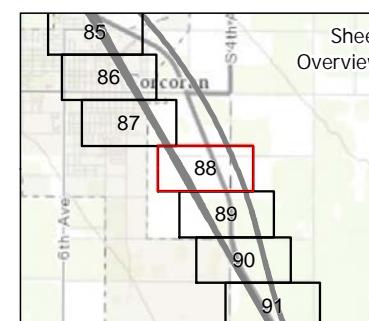
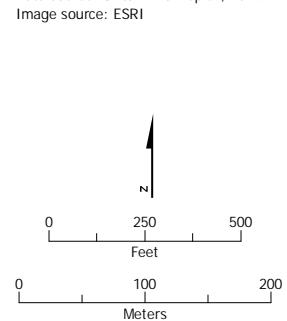
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)

Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

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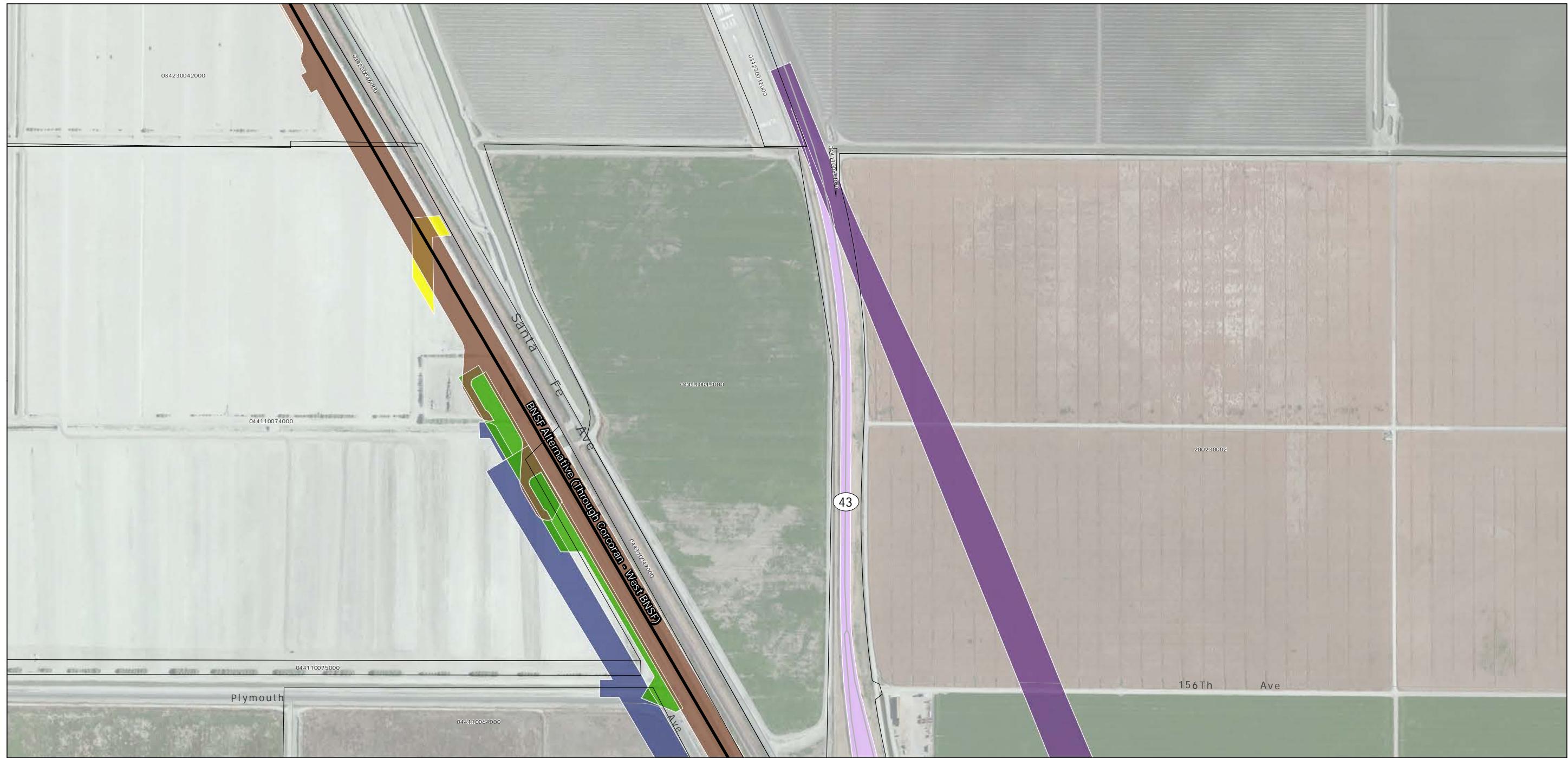
Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

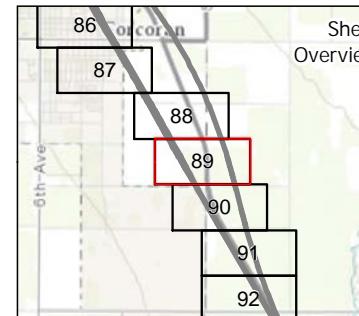
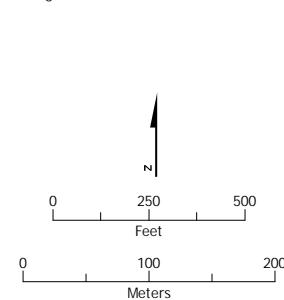
Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint



Data source: URS/HMM/Arup JV, 2014
Image source: ESRI

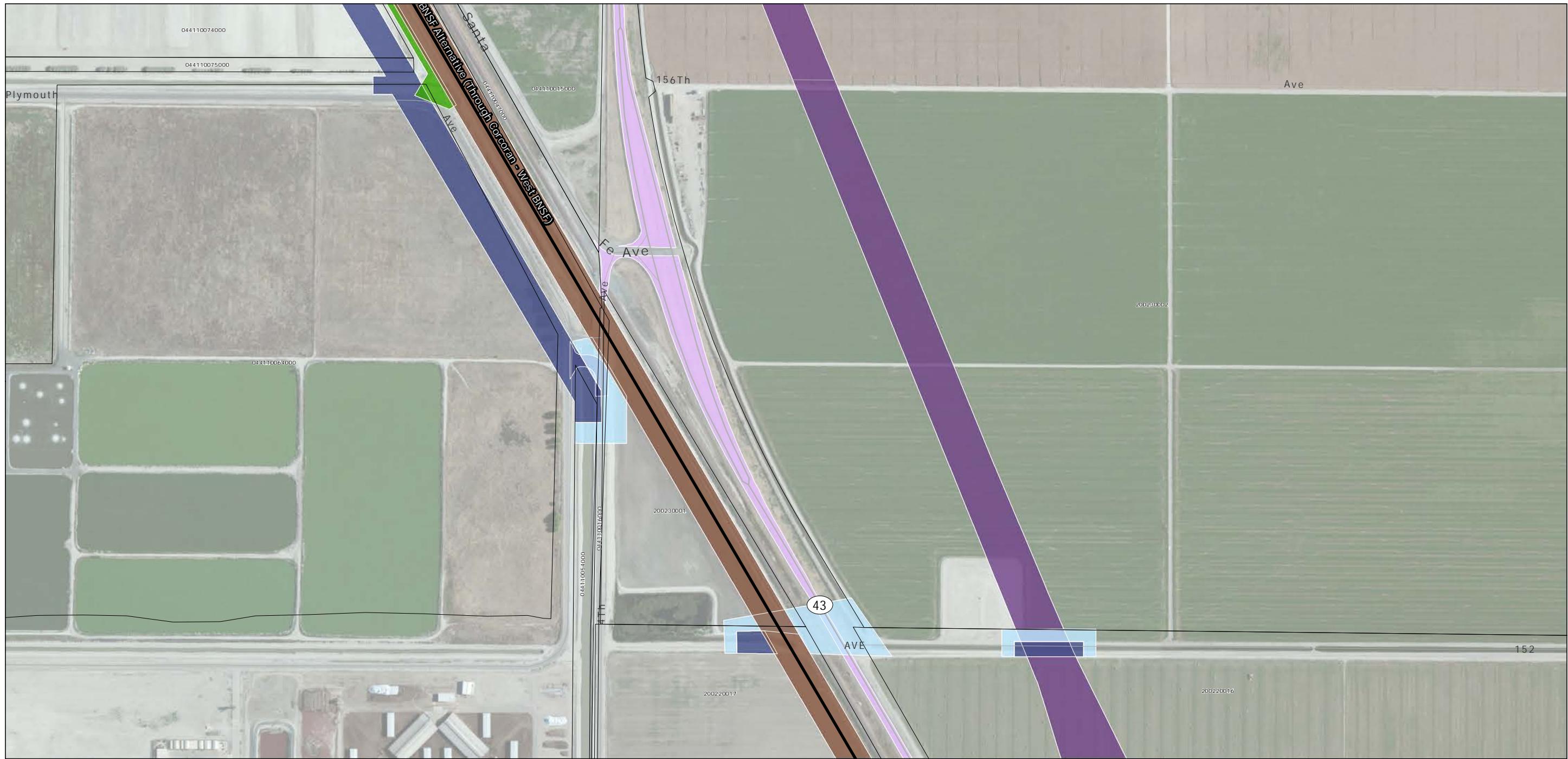
March 19, 2014



Project footprint by category type	
Construction area	Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Roadway	Permanent (underpass/overpass, access road)
Station	Temporary (remove base and surfacing, construction easement)

Utilities	
Temporary	(Relocation of natural gas, petroleum, transmission, or water line)
Systems	
Permanent	(interlocking site, radio site, traction power facility)
Temporary	
Temporary	(construction easement)

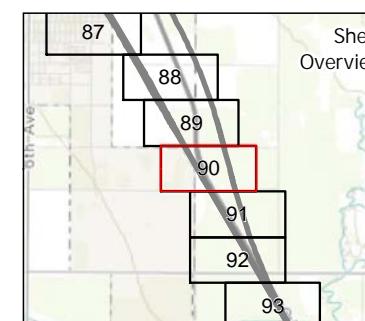
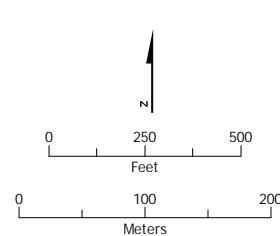
Hydrology	
Permanent	(canal relocation, drainage basin)
Temporary	(construction easement)
Track	
Permanent	(access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary	(construction easement)



Data source: URS/HMM/Arup JV, 2014

Image source: ESRI

March 19, 2014



Alternative alignments
Parcel (APN displayed)
Heavy maintenance facility
Station

Project footprint by category type
Construction area
Temporary
Roadway
Permanent (underpass/overpass, access road)
Temporary (remove base and surfacing, construction easement)

Utilities
Temporary (Relocation of natural gas, petroleum, transmission, or water line)
Systems
Permanent (interlocking site, radio site, traction power facility)
Temporary (construction easement)

Hydrology
Permanent (canal relocation, drainage basin)
Temporary (construction easement)
Track
Permanent (access road, freight rail relocation, HST tracks, maintenance of infrastructure)
Temporary (construction easement)

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BNSF Alternative
Parcels impacted by the project footprint